

**tyco**

*Electronics*

TYCO ELECTRONICS CORPORATION  
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**AMP**







# Electronics

## Product Facts

- For cables that require better protection
- Fittings that allow more reliable connections to be made
- Fittings that enhance their reliability under many extreme conditions of use in the manufacture of machinery and construction
- High quality complete systems which combine innovative technology with rapid ex-stock availability
- In conformity with the latest industry standards
- Recognized under the Component Program of Underwriters Laboratories Inc.  on applied products as marked.
- Certified by Canadian Standards Association on applied products as marked. 
- Certified by VDE on applied products as marked. 

## Related Product Data

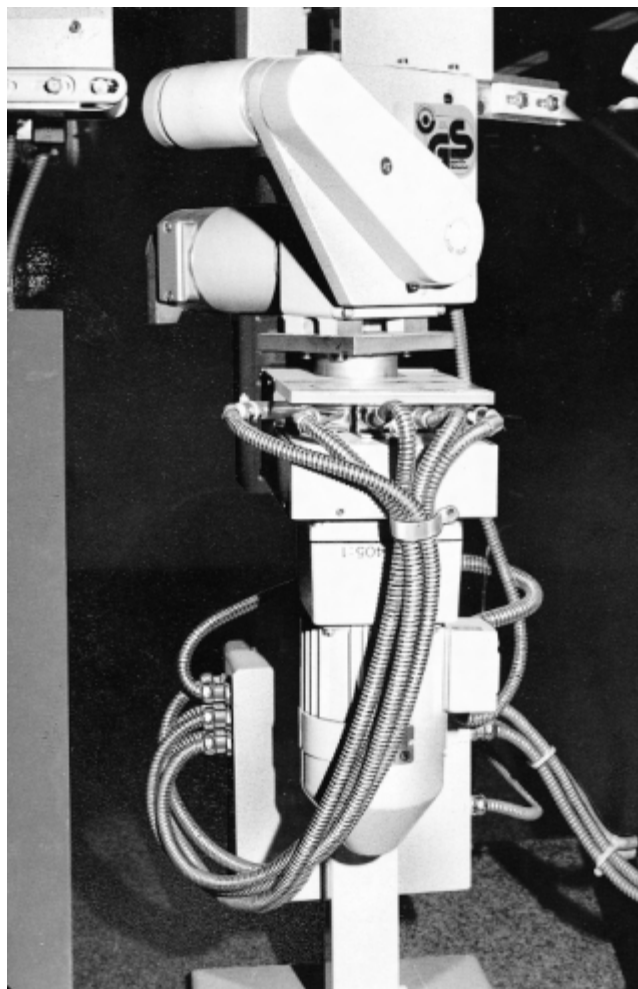
Catalog 124132  
Products for Insulating and Bundling

## Product Specifications

108-1696 **Flexagraff**  
108-1696-1 **Rohrflex**  
108-1696-2 **Airflex**

## Application Specifications

114-18274 **Flexagraff-AS, -PU-AS, -ME-ASF**  
114-18275 **Flexagraff-CU**  
114-18276 **Airflex-KUW-PU**  
114-18277 **Rohrflex-PA 6, Rohrflex-PA 12**



## CPC/Flexa Selection Aid

| CPC Shell Size | Flexa Connector Female | PA6 Flexa Tubing | Flexa Connector Male | Flexa R/A Connector Female | Flexa Counter Nut | Flat Sealing Washer |
|----------------|------------------------|------------------|----------------------|----------------------------|-------------------|---------------------|
| 11             | 1-969807-2             | 969789-2         | 969803-2             | 969817-2                   | 796260-2          | 796257-2            |
| 13             | 1-969809-3             | 969789-3         | 969803-3             | 969817-3                   | 796260-3          | 796255-2            |
| 17             | 1-969811-4             | 969789-4         | 969803-4             | 969817-4                   | 796260-5          | 796255-3            |
| 23             | 2-969813-5             | 969789-5         | 969803-5             | 969817-5                   | 796260-6          | 796255-4            |

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De Nemours and Company.



## Types of FLEXAquick -System and Types of ROHRflex -Tubing

### Types of FLEXAquick - System

|                           |    |                                      |
|---------------------------|----|--------------------------------------|
| * dash characterizes      | P  | — PG - thread                        |
| connector thread / flange | M  | — Metric thread                      |
|                           | F  | — Flange connection                  |
|                           | N  | — NPT - thread                       |
|                           | U  | — UNEF - thread                      |
|                           | C  | —CTG / gas - thread                  |
|                           | S  | — plug-type connection               |
|                           | 1  | — conically sealing                  |
|                           | 2  | — inner thread                       |
|                           | 3  | — inner thread and conically sealing |
| (combinations possible)   | Z  | — strain relief                      |
|                           | M  | — metal housing                      |
|                           | C  | — CSA - tubing dimension             |
|                           | K  | — plastic housing with metal thread  |
|                           | E  | — EMC-insert                         |
|                           | G  | — Straight type                      |
|                           | W  | — Elbow type                         |
|                           | Y  | — Y - type connector                 |
|                           | E  | — End cap                            |
|                           | S  | — clamp                              |
|                           | D  | — Cover for clamp                    |
|                           | V  | — Connecting element                 |
|                           | H  | — top hat rail clip                  |
|                           | F  | — Flange connection                  |
|                           | RQ | — ROHRFLEXquick                      |

### Types of ROHRflex - tubing (combinations possible)

|               |          |                                   |
|---------------|----------|-----------------------------------|
| Execution:    | CSA      | — CSA conformal                   |
|               | CU       | — with copper wire braiding       |
|               | D        | — thick-walled                    |
|               | G        | — slitted                         |
| Material:     | PA6      | — Polyamide 6, V0 according UL 94 |
|               | PA6-V    | — Polyamide 6, V2 according UL 94 |
|               | PA6-S    | — Polyamide 6, HB according UL 94 |
|               | PA 12    | — Polyamide 12                    |
|               | PP       | — Polypropylene                   |
|               | PE       | — Polyethylene                    |
| Type of Hose: | ROHRflex | — Corrugated tubing               |

**Assembly Instructions FLEXAquick**

**Please note the following in order to attain protective System IP 67 acc. to EN 60529/IEC 529**

**Parting of protective System**

Cut the corrugated tubing **ROHRflex -PA** with a knife in the valley of a wave.

More than one wave should not be passed while cutting the tubing.

**Assembly**

Tubing and screw connection must be assembled to the cutting tubing side.

Push the connector into the tubing until it cannot snap-in any longer and the connector can only be turned with power.

The relieved corrugated tubing pushes the claws of the snap-in-sleeve into the valley of the wave, this means an exact closing of the connection.



Simply push in.

**Dismounting**

Press the ring of the snap-in-sleeve to the connector case, then pull the tubing out or the connector from the tubing.

The connection is ready for use again.



Quick disconnect without tools.  
Press ring to the housing and pull off.



## Performance Characteristics

Corrugated all-plastic tubing,  
UL-File-No. E86359

## Construction

Inside and outside corrugated all-plastic tubing.

## Material

High-quality plastic (PA).

## Properties

Air- and liquid-tight, oil resistant up to +80°C, benzine resistant, more resistant to acids and solvents, ozone resistant, free of silicon, cadmium and halogen, self extinguishing and flame retarding.

## V O according UL 94

For favorable material properties of the polyamide, we recommend storage of **ROHRflex** tubings under the following conditions:  
Storing temperature: +20°C ±5°C  
Air humidity: 55 up to 75%

## Protective system

IP 68 acc. EN 60529

## Temperature range

From approx. -40°C up to approx. +115°C, temporarily withstands temperatures up to approx. +150°C

## Application

Installation tubing for protective insulating electrical installations. Suited acc. to the application rules of DIN EN 60204 in the machine and plant construction.

## Color

Grey and black

## Delivery lengths

25m and 50m depending on dimension, straightly measured.  
Also slitted deliverable.

## Comments

UL recognized components "Yellow card" on inquiry.

## Related Product Data

Application Tooling — Page 37

## Corrugated Plastic Tubing, FLEXAquick

### ROHRflex -PA 6 (IP 68)



| Trade Size***<br>Tubing Outer-Ø | Dimension<br>Inner-Ø x Outer-Ø<br>mm Approx. | ROHRflex -<br>PA 6 (Grey)<br>Part No. | ROHRflex -<br>PA 6 (Black)<br>Part No. | Bending<br>Radius<br>mm ±10% | Weight<br>kg/m<br>±10% | Minimum<br>Package<br>Size* | Ring<br>Size<br>in Ft. |
|---------------------------------|----------------------------------------------|---------------------------------------|----------------------------------------|------------------------------|------------------------|-----------------------------|------------------------|
| <b>0.39</b><br>10.0             | 6.5 x 10.0                                   | 969790-1                              | 969789-1                               | 13                           | 0.018                  | 50m                         | 164'                   |
| <b>0.51</b><br>13.0             | 10.0 x 13.0                                  | 969790-2**                            | 969789-2**                             | 20                           | 0.025                  | 50m                         | 164'                   |
| <b>0.62</b><br>15.8             | 12.0 x 15.8                                  | 969790-3**                            | 969789-3**                             | 35                           | 0.037                  | 50m                         | 164'                   |
| <b>0.83</b><br>21.2             | 16.5 x 21.2                                  | 969790-4**                            | 969789-4**                             | 45                           | 0.056                  | 50m                         | 164'                   |
| <b>1.12</b><br>28.5             | 23.0 x 28.5                                  | 969790-5**                            | 969789-5**                             | 55                           | 0.090                  | 50m                         | 164'                   |
| <b>1.35</b><br>34.5             | 29.0 x 34.5                                  | 969790-6**                            | 969789-6**                             | 65                           | 0.126                  | 25m                         | 82'                    |
| <b>1.67</b><br>42.5             | 36.0 x 42.5                                  | 969790-7                              | 969789-7                               | 90                           | 0.187                  | 25m                         | 82'                    |
| <b>2.14</b><br>54.5             | 48.0 x 54.4                                  | 969790-8                              | 969789-8                               | 100                          | 0.225                  | 25m                         | 82'                    |
| <b>0.73</b><br>18.5             | 14.3 x 18.2                                  | 969790-9                              | 969789-9                               | 40                           | 0.050                  | 50m                         | 164'                   |

\*20 Rings of specified length

\*\*GGVS certified

\*\*\*Advice: For appropriate tubing/screw connecting combinations choose the same trade size AD (tubing outer-Ø).

**Notes:** 1. Certification from KEMA, affirming that **ROHRflex**-PA-corrugated hoses are suitable for wiring of machines that are exported to Canada.

According to DB-requirements DIN 5510 part 2.

London Underground laboratory (LUL) licensed.

ISSEP proved according to NFF 16101 and 16102.

2. For quantities less than minimums, contact Tyco Electronics.

### Performance Characteristics

Corrugated all-plastic tubing,  
UL-File-No. E86359/PA 6-S

### Construction

Inside and outside corrugated all-plastic tubing.

### Material

High-quality plastic (PA).

### Properties

Air- and liquid-tight, oil resistant up to +80°C, benzene resistant, more resistant to acids and solvents, ozone resistant, free of silicon, cadmium and halogen, flame-retarding. **HB/V2 according UL 94**. For favorable material properties of the polyamide, we recommend storage of **ROHRflex** tubing under the following conditions: Storing temperature: +20°C ± 5°C Air humidity: 55 up to 75%

### Protective system

IP 68 acc. EN 60529

### Temperature range

From approx. -50°C up to approx. +115°C, temporarily withstands temperatures up to approx. +150°C

### Application

Installation tubing for protective insulating electrical installations. Suited acc. to the application rules of DIN EN 60204 in the machine and plant construction.

### Color

Grey and black

### Delivery lengths

25m and 50m depending on dimension, straightly measured.

### Comment

UL recognized components "Yellow card" on inquiry.

### Related Product Data

Application Tooling — Page 37

## Corrugated Plastic Tubing, FLEXAquick (Continued)

### ROHRflex-PA 6-S (IP 68)



| Trade Size**<br>Tubing Outer-Ø<br>AD | Dimension<br>Inner-Ø x Outer-Ø<br>mm Approx. | ROHRflex -<br>PA 6-S (Grey)<br>Part No. | ROHRflex -<br>PA 6-S (Black)<br>Part No. | Bending<br>Radius<br>mm ±10% | Weight<br>kg/m<br>±10% | Minimum<br>Package<br>Size* | Ring<br>Size<br>in Ft. |
|--------------------------------------|----------------------------------------------|-----------------------------------------|------------------------------------------|------------------------------|------------------------|-----------------------------|------------------------|
| <b>0.39</b><br>10.0                  | 6.5 x 10.0                                   | 2-969791-1                              | 969791-1                                 | 13                           | 0.020                  | 50m                         | 164'                   |
| <b>0.51</b><br>13.0                  | 10.0 x 13.0                                  | 2-969791-2                              | 969791-2                                 | 20                           | 0.024                  | 50m                         | 164'                   |
| <b>0.62</b><br>15.8                  | 12.0 x 15.8                                  | 2-969791-3                              | 969791-3                                 | 35                           | 0.034                  | 50m                         | 164'                   |
| <b>0.83</b><br>21.2                  | 16.5 x 21.2                                  | 2-969791-4                              | 969791-4                                 | 45                           | 0.056                  | 50m                         | 164'                   |
| <b>1.12</b><br>28.5                  | 23.0 x 28.5                                  | 2-969791-5                              | 969791-5                                 | 55                           | 0.090                  | 50m                         | 164'                   |
| <b>1.35</b><br>34.5                  | 29.0 x 34.5                                  | 2-969791-6                              | 969791-6                                 | 65                           | 0.120                  | 25m                         | 82'                    |
| <b>1.67</b><br>42.5                  | 36.0 x 42.5                                  | 2-969791-7                              | 969791-7                                 | 90                           | 0.165                  | 25m                         | 82'                    |
| <b>2.14</b><br>54.5                  | 48.0 x 54.4                                  | 2-969791-8                              | 969791-8                                 | 100                          | 0.225                  | 25m                         | 82'                    |
| <b>0.73</b><br>18.5                  | 14.3 x 18.2                                  | 2-969791-9                              | 969791-9                                 | 40                           | 0.050                  | 50m                         | 164'                   |

\*20 Rings of specified length.

\*\*Advice: For appropriate tubing/screw connecting combinations choose the same trade size AD (tubing outer-Ø).



**Corrugated Plastic Tubing, FLEXAquick (Continued)**

**Performance Characteristics**

Corrugated all-plastic tubing.

**Construction**

Inside and outside corrugated all-plastic tubing.

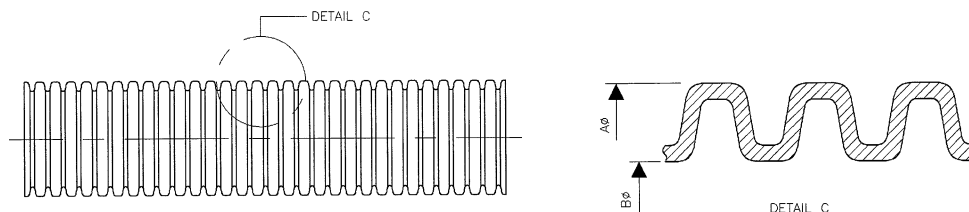
**Material**

High-quality plastic (PA).

**Delivery lengths**

25m and 50m depending on dimension, straightly measured.

**ROHRflex-PA 6-D**



| Trade Size*<br>Tubing Outer-Ø<br>AD | Dimension<br>Inner-Ø x Outer-Ø<br>mm Approx. | ROHRflex -<br>PA 6-D (Grey)<br>Part No. | ROHRflex -<br>PA 6-D (Black)<br>Part No. | Bending<br>Radius<br>mm ±10% | Weight<br>kg/m<br>±10% | Minimum<br>Package<br>Size |
|-------------------------------------|----------------------------------------------|-----------------------------------------|------------------------------------------|------------------------------|------------------------|----------------------------|
| 0.39<br>10.0                        | 6.5 x 10.0                                   | 796790-1                                | 2-796790-1                               | 15                           | 0.025                  | 50m                        |
| 0.51<br>13.0                        | 9.5 x 13.0                                   | 796790-2                                | 2-796790-2                               | 25                           | 0.035                  | 50m                        |
| 0.62<br>15.8                        | 11.5 x 15.8                                  | 796790-3                                | 2-796790-3                               | 35                           | 0.050                  | 50m                        |
| 0.73<br>18.5                        | 13.8 x 18.2                                  | 796790-4                                | 2-796790-4                               | 40                           | 0.050                  | 50m                        |
| 0.83<br>21.2                        | 16.0 x 21.2                                  | 796790-5                                | 2-796790-5                               | 50                           | 0.082                  | 50m                        |
| 1.12<br>28.5                        | 22.0 x 28.5                                  | 796790-6                                | 2-796790-6                               | 60                           | 0.115                  | 50m                        |
| 1.35<br>34.5                        | 28.4 x 34.5                                  | 796790-7                                | 2-796790-7                               | 70                           | 0.155                  | 25m                        |
| 1.67<br>42.5                        | 35.5 x 42.5                                  | 796790-8                                | 2-796790-8                               | 100                          | 0.212                  | 25m                        |
| 2.14<br>54.5                        | 47.0 x 54.5                                  | 796790-9                                | 2-796790-9                               | 110                          | 0.260                  | 25m                        |

\*Advice: For appropriate tubing/screw connecting combinations choose the same trade size AD (tubing outer-Ø).

**Performance Characteristics**

Corrugated all-plastic tubing.

**Construction**

Inside and outside corrugated all-plastic tubing.

**Material**

High-quality plastic (PA).

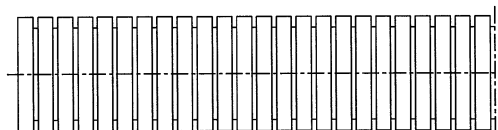
**Color**

Black

**Delivery lengths**

25m and 50m depending on dimension, straightly measured.

**ROHRflex-PA 6-CSA**



| Trade Size*          |        | Dimension<br>Inner-Ø x Outer-Ø<br>mm Approx. | ROHRflex -<br>PA 6-D<br>Part No. | Bending<br>Radius<br>mm ±10% | Weight<br>kg/m<br>±10% | Delivery<br>Lengths<br>In Rings |
|----------------------|--------|----------------------------------------------|----------------------------------|------------------------------|------------------------|---------------------------------|
| Tubing Outer-Ø<br>AD | NPT    |                                              |                                  |                              |                        |                                 |
| 0.51<br>13.0         | 1/4"   | 9.5 x 13.0                                   | 796472-1                         | 15                           | 0.030                  | 50m                             |
| 0.62<br>15.8         | 5/16"  | 11.5 x 15.8                                  | 796472-2                         | 25                           | 0.050                  | 50m                             |
| 0.70<br>17.8         | 3/8"   | 12.9 x 17.8                                  | 796472-3                         | 30                           | 0.060                  | 50m                             |
| 0.86<br>21.8         | 1/2"   | 16.5 x 21.8                                  | 796472-4                         | 40                           | 0.090                  | 50m                             |
| 1.12<br>28.5         | 3/4"   | 22.0 x 28.5                                  | 796472-5                         | 50                           | 0.130                  | 50m                             |
| 1.35<br>34.4         | 1"     | 27.7 x 34.4                                  | 796472-6                         | 60                           | 0.160                  | 25m                             |
| 1.67<br>42.5         | 1 1/4" | 35.5 x 42.5                                  | 796472-7                         | 90                           | 0.187                  | 25m                             |

\*Advice: For appropriate tubing/screw connecting combinations choose the same trade size AD (tubing outer-Ø).

## Performance Characteristics

Corrugated all-plastic tubing, highly flexible.

### Construction

Inside and outside corrugated all-plastic tubing.

### Material

High-quality plastic (PA).

### Properties

High alternate bending strength, improved insulation properties due to lower absorption of humidity, air- and liquid-tight, oil and benzine resistant, more resistant to acids and solvents, ozone resistant, free of silicon, cadmium and halogen, self-extinguishing and flame retarding. **V2 (V0) according UL 94.** For favorable material properties of the polyamide, we recommend storage of **ROHRflex** tubings under the following conditions:  
Storing temperature: +20°C ± 5°C  
Air humidity: 55 up to 75%

### Protective system

IP 68 acc. EN 60529

### Temperature range

From approx. -50°C up to approx. +100°C, temporarily withstands temperatures up to approx. +150°C

### Application

Installation tubing for protective insulating electrical installations. Suited acc. to the application rules of DIN EN 60204 in the machine and plant construction, especially for frequent reversed bending, i.e. robots.

### Color

Grey and black

### Delivery lengths

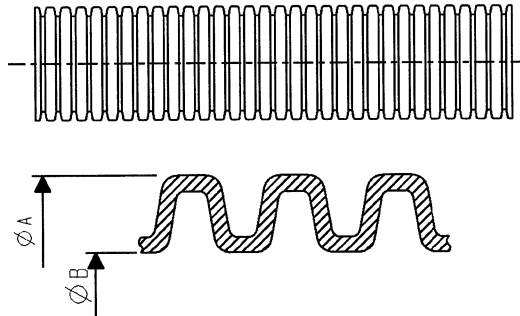
25m and 50m depending on dimension, straightly measured.  
Also slitted deliverable.

### Related Product Data

Application Tooling — Page 37

## Corrugated Plastic Tubings, FLEXAquick (Continued)

### ROHRflex-Multi-PA 6



| Trade Size<br>Tubing Outer-Ø<br>AD | Dimension<br>Inner-ØA x Outer-ØB<br>mm Approx. | ROHRflex -<br>Multi-PA 6 (Grey)<br>Part No. | ROHRflex -<br>Multi-PA 6 (Black)<br>Part No. | Bending<br>Radius<br>mm | Approx.<br>Weight<br>kg/m | Minimum<br>Package<br>Size |
|------------------------------------|------------------------------------------------|---------------------------------------------|----------------------------------------------|-------------------------|---------------------------|----------------------------|
| <b>2.76</b><br>70.0                | 66.5 x 79.2                                    | 2-796361-1                                  | 796361-1                                     | 170                     | 0.69                      | 10m                        |
| <b>3.74</b><br>95.0                | 91.0 x 106.0                                   | 2-796361-2                                  | 796361-2                                     | 225                     | 0.93                      | 10m                        |

### ROHRflex -PA 12 (IP 68)



| Trade Size**<br>Tubing Outer-Ø<br>AD | Dimension<br>Inner-Ø x Outer-Ø<br>mm Approx. | ROHRflex -<br>PA 12 (Grey)<br>Part No. | ROHRflex -<br>PA 12 (Black)<br>Part No. | Bending<br>Radius<br>mm ± 10% | Weight<br>kg/m<br>± 10% | Minimum<br>Package<br>Size* | Size<br>in Ft. |
|--------------------------------------|----------------------------------------------|----------------------------------------|-----------------------------------------|-------------------------------|-------------------------|-----------------------------|----------------|
| <b>0.39</b><br>10.0                  | 6.5 x 10.0                                   | 969792-1                               | 969793-1                                | 13                            | 0.020                   | 50m                         | 164'           |
| <b>0.51</b><br>13.0                  | 10.0 x 13.0                                  | 969792-2                               | 969793-2                                | 15                            | 0.024                   | 50m                         | 164'           |
| <b>0.62</b><br>15.8                  | 12.0 x 15.8                                  | 969792-3                               | 969793-3                                | 22                            | 0.034                   | 50m                         | 164'           |
| <b>0.83</b><br>21.2                  | 16.5 x 21.2                                  | 969792-4                               | 969793-4                                | 27                            | 0.056                   | 50m                         | 164'           |
| <b>1.12</b><br>28.5                  | 23.0 x 28.5                                  | 969792-5                               | 969793-5                                | 45                            | 0.090                   | 50m                         | 164'           |
| <b>1.35</b><br>34.5                  | 29.0 x 34.5                                  | 969792-6                               | 969793-6                                | 50                            | 0.120                   | 25m                         | 82'            |
| <b>1.67</b><br>42.5                  | 36.0 x 42.5                                  | 969792-7                               | 969793-7                                | 80                            | 0.165                   | 25m                         | 82'            |
| <b>2.14</b><br>54.5                  | 48.0 x 54.4                                  | 969792-8                               | 969793-8                                | 100                           | 0.225                   | 25m                         | 82'            |
| <b>0.73</b><br>18.5                  | 14.3 x 18.2                                  | 969792-9                               | 969793-9                                | 27                            | 0.050                   | 50m                         | 164'           |

\*20 Rings of specified length.

\*\*Advice: For appropriate tubing/screw connecting combinations choose the same trade size AD (tubing outer-Ø).

## Corrugated Plastic Tubing Connections

### Performance Characteristics

One-piece plastic quick screw connection with PG-outer thread acc. to DIN 40430 for corrugated tubings as well as Reducing or Extending.

### Construction

Screw connection case with hexagon wrench surface and fixed PG connecting thread DIN 40430 as well as an integrated snap-in sleeve and sealing.

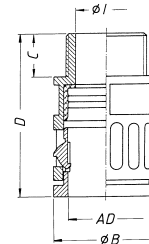
### Material

High-quality, impact resistant plastic material (PA)  
Sealing: Santoprene®

### Easy to assemble

Easy to assemble due to one-piece screw connection with push-in lock. Simple disconnect by displacing the snap-in sleeve. Smallest outer dimensions to be used under confined conditions. Smallest inner-Ø I ≥ tubing inside diameter.

**RQG-P**  
**(IP 68)**



### Protective system

IP 68 acc. EN 60529

### Temperature range

From approx. -30°C up to approx. +100°C

### Application

For expert assembly, as protective insulating screw connection suited acc. to the application rules of DIN EN 60204 in the machine and plant construction.

### Color

Grey and black

### Suitable for tubing types

Corrugated tubing, type: **ROHRflex**.

| Trade Size**<br>Tubing<br>Outer-Ø<br>AD | RQG-P<br>(Grey)<br>Part<br>Number | RQG-P<br>(Black)<br>Part<br>Number | Thread<br>DIN<br>40430<br>PG | Smallest<br>Inner-Ø<br>I | Largest<br>Outer-Ø<br>B | Length<br>of<br>Thread<br>C | Total<br>Length<br>D | Wrench<br>size across<br>flats<br>SW | Packet/<br>Pieces | Weight<br>kg/100 p.<br>Approx. |
|-----------------------------------------|-----------------------------------|------------------------------------|------------------------------|--------------------------|-------------------------|-----------------------------|----------------------|--------------------------------------|-------------------|--------------------------------|
| <b>0.39</b><br>10.0                     | 969804-1                          | 969803-1                           | 7                            | 7.0                      | 17.0                    | 10.0                        | 32.5                 | 15.5                                 | 50                | 0.35                           |
| <b>0.39</b><br>10.0                     | 969832-1                          | 969831-1                           | 9                            | 7.0                      | 18.5                    | 10.0                        | 32.5                 | 15.5                                 | 50                | 0.35                           |
| <b>0.39</b><br>10.0                     | 1-969832-1                        | 1-969831-1                         | 11                           | 7.0                      | 21.0                    | 10.0                        | 32.5                 | 15.5                                 | 50                | 0.40                           |
| <b>0.39</b><br>10.0                     | 3-969832-1                        | 3-969831-1                         | 13.5                         | 7.0                      | 23.0                    | 10.0                        | 32.5                 | 15.5                                 | 25                | 0.45                           |
| <b>0.51</b><br>13.0                     | 969834-2                          | 969833-2                           | 7                            | 8.0                      | 20.0                    | 10.0                        | 35.0                 | 18.0                                 | 50                | 0.45                           |
| <b>0.51</b><br>13.0                     | 969804-2*                         | 969803-2*                          | 9                            | 10.0                     | 20.0                    | 10.0                        | 35.0                 | 18.0                                 | 50                | 0.45                           |
| <b>0.51</b><br>13.0                     | 2-969832-2                        | 2-969831-2                         | 11                           | 10.0                     | 21.0                    | 10.0                        | 35.0                 | 18.0                                 | 50                | 0.50                           |
| <b>0.51</b><br>13.0                     | 4-969832-2                        | 4-969831-2                         | 13.5                         | 10.0                     | 23.0                    | 10.0                        | 35.0                 | 18.0                                 | 25                | 0.50                           |
| <b>0.62</b><br>15.8                     | 969804-3*                         | 969803-3*                          | 11                           | 12.5                     | 23.0                    | 10.0                        | 37.0                 | 21.0                                 | 50                | 0.60                           |
| <b>0.62</b><br>15.8                     | 5-969832-3                        | 5-969831-3                         | 13.5                         | 12.5                     | 23.0                    | 10.0                        | 37.0                 | 21.0                                 | 25                | 0.60                           |
| <b>0.83</b><br>21.2                     | 969834-4                          | 969833-4                           | 13.5                         | 15.4                     | 29.5                    | 12.0                        | 43.5                 | 27.0                                 | 10                | 0.90                           |
| <b>0.83</b><br>21.2                     | 969804-4*                         | 969803-4*                          | 16                           | 17.0                     | 29.5                    | 12.0                        | 43.5                 | 27.0                                 | 50                | 1.00                           |
| <b>1.12</b><br>28.5                     | 969834-5                          | 969833-5                           | 16                           | 17.0                     | 37.0                    | 12.0                        | 46.0                 | 34.0                                 | 10                | 1.50                           |
| <b>1.12</b><br>28.5                     | 969804-5*                         | 969803-5*                          | 21                           | 23.5                     | 37.0                    | 12.0                        | 46.0                 | 34.0                                 | 25                | 1.50                           |
| <b>1.35</b><br>34.5                     | 969804-6*                         | 969803-6*                          | 29                           | 30.5                     | 44.0                    | 12.0                        | 48.0                 | 40.0                                 | 25                | 2.20                           |
| <b>1.67</b><br>42.5                     | 969804-7                          | 969803-7                           | 36                           | 36.5                     | 51.5                    | 11.5                        | 50.5                 | 48.0                                 | 25                | 3.10                           |
| <b>2.14</b><br>54.5                     | 969804-8                          | 969803-8                           | 48                           | 48.5                     | 65.5                    | 14.5                        | 54.0                 | 59.0                                 | 10                | 4.50                           |

\*GGVS certified

\*\*Advice: For appropriate tubing/screw connecting combinations choose the same trade size AD (tubing outer-Ø).



**Corrugated Plastic Tubing Connections (Continued)**

**Performance Characteristics**

One-piece plastic quick screw connection with metric ISO thread acc. EN 60423 for corrugated tubings.

**Construction**

Screw connection case with hexagon wrench surface and fixed PG connecting thread DIN 40430 as well as an integrated snap-in sleeve and sealing.

**Material**

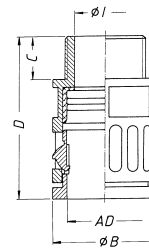
High-quality, impact resistant plastic material (PA)

Sealing: Santoprene®

**Easy to assemble**

Easy to assemble due to one-piece screw connection with push-in lock. Simple disconnect by displacing the snap-in sleeve. Smallest outer dimensions to be used under confined conditions. Smallest inner-Ø I ≥ tubing inside diameter.

**RQG-M (IP 67)**



**Protective system**

IP 67 acc. EN 60529

**Temperature range**

From approx. -30°C up to approx. +100°C

**Application**

For expert assembly, as protective insulating screw connection suited acc. to the application rules of DIN EN 60204 in the machine and plant construction.

**Color**

Grey and black

**Suitable for tubing types**

Corrugated tubing, type: **ROHRflex** — Pages 6-9

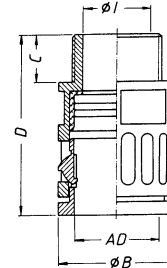
| Trade Size**<br>Tubing<br>Outer-Ø<br>AD | RQG-M<br>(Grey)<br>Part<br>Number | RQG-M<br>(Black)<br>Part<br>Number | Thread<br>EN<br>60430<br>Metric | Smallest<br>Inner-Ø<br>I | Largest<br>Outer-Ø<br>B | Length<br>of<br>Thread<br>C | Total<br>Length<br>D | Wrench<br>size across<br>flats | Packet/<br>Pieces | Weight<br>kg/100 p.<br>Approx. |
|-----------------------------------------|-----------------------------------|------------------------------------|---------------------------------|--------------------------|-------------------------|-----------------------------|----------------------|--------------------------------|-------------------|--------------------------------|
| 0.39<br>10.0                            | 2-796283-1                        | 796283-1                           | 10 x 1.0                        | 6.5                      | 17.0                    | 12                          | 34.5                 | 15.5                           | 50                | 0.40                           |
| 0.51<br>13.0                            | 2-796283-2*                       | 796283-2*                          | 12 x 1.5                        | 8.0                      | 20.0                    | 12                          | 37.0                 | 18.0                           | 50                | 0.45                           |
| 0.51<br>13.0                            | 2-796283-3                        | 796283-3*                          | 16 x 1.5                        | 10.0                     | 20.0                    | 12                          | 37.0                 | 18.0                           | 50                | 0.50                           |
| 0.62<br>15.8                            | 2-796283-4*                       | 796283-4*                          | 16 x 1.5                        | 12.0                     | 23.0                    | 12                          | 39.0                 | 21.0                           | 50                | 0.60                           |
| 0.62<br>15.8                            | 2-796283-5                        | 796283-5*                          | 20 x 1.5                        | 12.0                     | 23.0                    | 13                          | 39.0                 | 21.0                           | 50                | 0.70                           |
| 0.83<br>21.2                            | 2-796283-6*                       | 796283-6*                          | 20 x 1.5                        | 16.0                     | 29.5                    | 13                          | 44.5                 | 27.0                           | 50                | 1.00                           |
| 1.12<br>28.5                            | 2-796283-7*                       | 796283-7*                          | 25 x 1.5                        | 20.5                     | 37.0                    | 13                          | 47.0                 | 34.0                           | 25                | 1.40                           |
| 1.35<br>34.5                            | 2-796283-8*                       | 796283-8*                          | 32 x 1.5                        | 27.5                     | 44.0                    | 15                          | 51.0                 | 40.0                           | 25                | 2.20                           |
| 1.67<br>42.5                            | 2-796283-9                        | 796283-9                           | 40 x 1.5                        | 35.0                     | 51.5                    | 15                          | 53.5                 | 48.0                           | 25                | 2.80                           |
| 2.14<br>54.5                            | 3-796283-0                        | 1-796283-0                         | 50 x 1.5                        | 45.0                     | 65.5                    | 16                          | 55.0                 | 59.0                           | 10                | 3.80                           |
| 0.39<br>10.0                            | —                                 | 1-796283-1                         | 12 x 1.0                        | 6.5                      | 17.0                    | 12                          | 34.5                 | 15.5                           | 50                | 0.40                           |

\*GGVS certified

\*\*Advice: For appropriate tubing/screw connecting combinations choose the same trade size AD (tubing outer-Ø).

Plastic quick screw connection with NPT-thread.

**RQG-N**  
(IP 67)



| Trade Size**<br>Tubing<br>Outer-Ø<br>AD | RQG-N<br>(Black)<br>Part<br>Number | Thread<br>NPT | Smallest<br>Inner-Ø<br>I | Largest<br>Outer-Ø<br>B | Length<br>of<br>Thread<br>C | Total<br>Length<br>D | Wrench<br>size across<br>flats | Packet/<br>Pieces | Weight<br>kg/100 p.<br>Approx. |
|-----------------------------------------|------------------------------------|---------------|--------------------------|-------------------------|-----------------------------|----------------------|--------------------------------|-------------------|--------------------------------|
| <b>0.39</b><br>10.0                     | 796253-1                           | 1/4           | 7.0                      | 17.0                    | 11.5                        | 34.0                 | 15.5                           | 50                | 0.35                           |
| <b>0.51</b><br>13.0                     | 796253-2*                          | 1/4           | 10.0                     | 20.0                    | 12                          | 37.0                 | 18.0                           | 50                | 0.40                           |
| <b>0.51</b><br>13.0                     | 796253-3*                          | 3/8           | 10.0                     | 20.0                    | 12                          | 37.0                 | 18.0                           | 50                | 0.45                           |
| <b>0.62</b><br>15.8                     | 796253-4*                          | 3/8           | 12.5                     | 23.0                    | 12                          | 39.0                 | 21.0                           | 50                | 0.60                           |
| <b>0.62</b><br>15.8                     | 796253-5*                          | 1/2           | 12.5                     | 27.0                    | 12                          | 39.0                 | 21.0                           | 50                | 0.70                           |
| <b>0.83</b><br>21.2                     | 796253-6*                          | 1/2           | 17.0                     | 29.5                    | 12                          | 43.5                 | 27.0                           | 50                | 1.00                           |
| <b>1.12</b><br>28.5                     | 796253-7*                          | 3/4           | 21.0                     | 37.0                    | 14                          | 47.5                 | 34.0                           | 25                | 1.40                           |
| <b>1.35</b><br>34.5                     | 796253-8*                          | 1             | 27.5                     | 44.0                    | 16                          | 52.0                 | 40.0                           | 25                | 2.20                           |
| <b>1.67</b><br>42.5                     | 796253-9                           | 1 1/4         | 36.5                     | 52.0                    | 18                          | 56.5                 | 49.0                           | 25                | 3.10                           |
| <b>1.67</b><br>42.5                     | 1-796253-0                         | 1 1/2         | 36.5                     | 55.9                    | 18                          | 56.5                 | 49.0                           | 25                | 3.50                           |
| <b>2.14</b><br>54.5                     | 1-796253-1                         | 1 1/2         | 48.5                     | 64.0                    | 18                          | 57.0                 | 60.0                           | 10                | 4.20                           |
| <b>2.14</b><br>54.5                     | 1-796253-2                         | 2             | 48.5                     | 65.0                    | 21                          | 60.0                 | 60.0                           | 10                | 4.50                           |

\*GGVS certified

\*\*Advice: For appropriate tubing/screw connecting combinations choose the same trade size AD (tubing outer-Ø).

**Corrugated Plastic Tubing Connections (Continued)**

**Performance Characteristics**

One-piece plastic quick screw connection, conically sealing, with PG-thread acc. to DIN 40430 for corrugated tubings, as well as Reducing or Extending.

**Construction**

Screw connection case with hexagon wrench surface and fixed PG connecting thread DIN 40430 with conic sealing case.

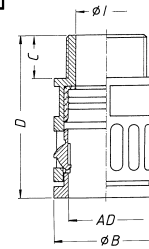
**Material**

High-quality, impact resistant plastic material (PA).

**Easy to assemble**

Easy to assemble due to one-piece screw connection with push-in lock. Simple disconnect by displacing the snap-in sleeve. Smallest outer dimensions to be used under confined conditions. Smallest inner-Ø  $\geq$  tubing inside diameter.

**RQG1-P (IP 66)**



**Protective system**

IP 66 acc. EN 60529

**Temperature range**

From approx.  $-30^{\circ}\text{C}$  up to approx.  $+100^{\circ}\text{C}$ .

**Application**

For expert assembly, as protective insulating screw connection suited acc. to the application rules of DIN EN 60204 in the machine and plant construction.

**Color**

Grey and black

**Suitable for tubing types**

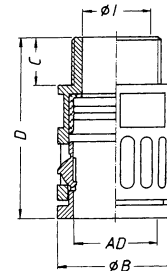
Corrugated tubing, type: **ROHRflex**.

| Trade Size*<br>Tubing<br>Outer-Ø<br>AD | RQG1-P<br>(Grey)<br>Part<br>Number | RQG1-P<br>(Black)<br>Part<br>Number | Thread<br>DIN<br>40430<br>PG | Smallest<br>Inner-Ø<br>I | Largest<br>Outer-Ø<br>B | Length<br>of<br>Thread<br>C | Total<br>Length<br>D | Wrench<br>size across<br>flats<br>SW | Packet/<br>Pieces | Weight<br>kg/100 p.<br>Approx. |
|----------------------------------------|------------------------------------|-------------------------------------|------------------------------|--------------------------|-------------------------|-----------------------------|----------------------|--------------------------------------|-------------------|--------------------------------|
| <b>0.39</b><br>10.0                    | 969806-1                           | 969805-1                            | 7                            | 7.0                      | 17.0                    | 10                          | 32.5                 | 15.5                                 | 50                | 0.35                           |
| <b>0.39</b><br>10.0                    | 1-969806-0                         | 3-969806-0                          | 9                            | 7.0                      | 18.5                    | 10                          | 32.5                 | 15.5                                 | 50                | 0.35                           |
| <b>0.39</b><br>10.0                    | 1-969806-1                         | 3-969806-1                          | 11                           | 7.0                      | 21.0                    | 10                          | 32.5                 | 15.5                                 | 50                | 0.40                           |
| <b>0.39</b><br>10.0                    | 1-969806-2                         | 3-969806-2                          | 13.5                         | 7.0                      | 23.0                    | 10                          | 32.5                 | 15.5                                 | 25                | 0.45                           |
| <b>0.51</b><br>13.0                    | 1-969806-3                         | 3-969806-3                          | 7                            | 8.0                      | 20.0                    | 10                          | 35.0                 | 18.0                                 | 50                | 0.45                           |
| <b>0.51</b><br>13.0                    | 969806-2                           | 969805-2                            | 9                            | 10.0                     | 20.0                    | 10                          | 35.0                 | 18.0                                 | 50                | 0.45                           |
| <b>0.51</b><br>13.0                    | 1-969806-4                         | 3-969806-4                          | 11                           | 10.0                     | 21.0                    | 10                          | 35.0                 | 18.0                                 | 50                | 0.50                           |
| <b>0.51</b><br>13.0                    | 1-969806-5                         | 3-969806-5                          | 13.5                         | 10.0                     | 23.0                    | 10                          | 35.0                 | 18.0                                 | 25                | 0.50                           |
| <b>0.62</b><br>15.8                    | 969806-3                           | 969805-3                            | 11                           | 12.5                     | 23.0                    | 10                          | 37.0                 | 21.0                                 | 50                | 0.55                           |
| <b>0.62</b><br>15.8                    | 1-969806-6                         | 3-969806-6                          | 13.5                         | 12.5                     | 23.0                    | 10                          | 37.0                 | 21.0                                 | 25                | 0.60                           |
| <b>0.62</b><br>15.8                    | 1-969806-7                         | 3-969806-7                          | 16                           | 12.5                     | 26.5                    | 10                          | 37.0                 | 21.0                                 | 25                | 0.65                           |
| <b>0.72</b><br>18.5                    | 969806-9                           | 2-969806-9                          | 13.5                         | 13.5                     | 25.5                    | 11                          | 40.0                 | 24.0                                 | 50                | 0.80                           |
| <b>0.83</b><br>21.2                    | 1-969806-8                         | 3-969806-8                          | 13.5                         | 15.4                     | 29.5                    | 12                          | 43.5                 | 27.0                                 | 10                | 0.90                           |
| <b>0.83</b><br>21.2                    | 969806-4                           | 969805-4                            | 16                           | 17.0                     | 29.5                    | 12                          | 43.5                 | 27.0                                 | 50                | 1.00                           |
| <b>1.12</b><br>28.5                    | 1-969806-9                         | 3-969806-9                          | 16                           | 17.0                     | 37.0                    | 12                          | 46.0                 | 34.0                                 | 10                | 1.50                           |
| <b>1.12</b><br>28.5                    | 969806-5                           | 969805-5                            | 21                           | 23.5                     | 37.0                    | 12                          | 46.0                 | 34.0                                 | 25                | 1.40                           |
| <b>1.35</b><br>34.5                    | 969806-6                           | 969805-6                            | 29                           | 30.5                     | 44.0                    | 12                          | 48.0                 | 40.0                                 | 25                | 2.20                           |
| <b>1.67</b><br>42.5                    | 969806-7                           | 969805-7                            | 36                           | 36.5                     | 52.0                    | 12                          | 50.5                 | 49.0                                 | 25                | 2.95                           |
| <b>2.14</b><br>54.5                    | 969806-8                           | 969805-8                            | 48                           | 48.5                     | 64.0                    | 15                          | 54.0                 | 60.0                                 | 10                | 4.30                           |

\*Advice: For appropriate tubing/screw connecting combinations choose the same trade size AD (tubing outer-Ø).

Plastic quick screw connection with NPT-thread.

**RQG-N**  
(IP 67)



| Trade Size**<br>Outer-Ø<br>AD | RQG-N<br>(Grey)<br>Part<br>Number | RQG-N<br>(Black)<br>Part<br>Number | Thread<br>NPT | Smallest<br>Inner-Ø<br>I | Largest<br>Outer-Ø<br>B | Length<br>of<br>Thread<br>C | Total<br>Length<br>D | Wrench<br>size across<br>flats<br>SW | Packet/<br>Pieces | Weight<br>kg/100 p.<br>Approx. |
|-------------------------------|-----------------------------------|------------------------------------|---------------|--------------------------|-------------------------|-----------------------------|----------------------|--------------------------------------|-------------------|--------------------------------|
| <b>0.39</b><br>10.0           | 2-796253-1                        | 796253-1                           | 1/4"          | 7.0                      | 17.0                    | 11.5                        | 34.0                 | 15.5                                 | 50                | 0.35                           |
| <b>0.51</b><br>13.0           | 2-796253-2                        | 796253-2                           | 1/4"          | 9.5                      | 20.0                    | 12.0                        | 37.0                 | 18.0                                 | 50                | 0.40                           |
| <b>0.51</b><br>13.0           | 2-796253-3                        | 796253-3                           | 3/8"          | 10.0                     | 20.0                    | 12.0                        | 37.0                 | 18.0                                 | 50                | 0.45                           |
| <b>0.62</b><br>15.8           | 2-796253-4                        | 796253-4                           | 3/8"          | 11.5                     | 20.0                    | 12.0                        | 37.0                 | 18.0                                 | 50                | 0.45                           |
| <b>0.62</b><br>15.8           | 2-796253-5                        | 796253-5                           | 1/2"          | 12.5                     | 27.0                    | 12.0                        | 39.0                 | 21.0                                 | 50                | 0.70                           |
| <b>0.83</b><br>21.2           | 2-796253-6                        | 796253-6                           | 1/2"          | 17.0                     | 29.5                    | 12.0                        | 43.5                 | 27.0                                 | 50                | 1.00                           |
| <b>0.70</b><br>17.8           | —                                 | <b>5020038212*</b>                 | 3/8"          | 12.5                     | 26.0                    | 12.0                        | 39.5                 | 24.0                                 | 50                | 0.80                           |
| <b>0.70</b><br>17.8           | —                                 | 1-796253-3                         | 1/2"          | 16.0                     | 29.5                    | 13.0                        | 38.5                 | 27.0                                 | 50                | 1.00                           |
| <b>0.86</b><br>21.8           | —                                 | 1-796253-4                         | 1/2"          | 16.0                     | 29.5                    | 13.0                        | 43.5                 | 27.0                                 | 50                | 1.00                           |
| <b>1.12</b><br>28.5           | 2-796253-9                        | 796253-7                           | 3/4"          | 21.0                     | 37.0                    | 14.0                        | 47.5                 | 34.0                                 | 25                | 1.40                           |
| <b>1.35</b><br>34.4           | 3-796253-0                        | 796253-8                           | 1"            | 27.5                     | 44.0                    | 16.0                        | 52.0                 | 40.0                                 | 25                | 2.20                           |
| <b>1.67</b><br>42.5           | 3-796253-1                        | 796253-9                           | 1 1/4"        | 36.5                     | 52.0                    | 18.0                        | 56.5                 | 49.0                                 | 25                | 3.10                           |
| <b>1.67</b><br>42.5           | 3-796253-2                        | 1-796253-0                         | 1 1/2"        | 36.5                     | 55.0                    | 18.0                        | 56.5                 | 49.0                                 | 25                | 3.50                           |
| <b>2.15</b><br>54.5           | —                                 | 1-796253-1                         | 1 1/2"        | 48.5                     | 64.0                    | 18.0                        | 57.0                 | 60.0                                 | 10                | 4.20                           |
| <b>2.15</b><br>54.5           | —                                 | 1-796253-2                         | 2"            | 48.5                     | 65.0                    | 21.0                        | 60.0                 | 60.0                                 | 10                | 4.50                           |

\*Part No. on inquiry.

\*\*Advice: For appropriate tubing/screw connecting combinations choose the same trade size AD (tubing outer-Ø).



**Corrugated Plastic Tubing Connections (Continued)**

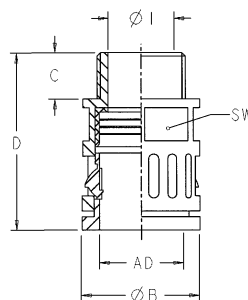
**Performance Characteristics**

Plastic straight connector with CTG thread.

**Color**

Black

**RQG-CTG**



| Trade Size*<br>Outer-Ø<br>AD | RQG-CTG<br>Part<br>Number | Thread<br>CTG | Thread<br>Whitworth<br>G | Smallest<br>Inner-Ø<br>I | Largest<br>Outer-Ø<br>B | Length of<br>Thread<br>C | Total<br>Length<br>D | Hex<br>Width<br>SW | Packet/<br>Pieces | Weight<br>kg/100 p.<br>Approx. |
|------------------------------|---------------------------|---------------|--------------------------|--------------------------|-------------------------|--------------------------|----------------------|--------------------|-------------------|--------------------------------|
| <b>0.39</b><br>10.0          | 796808-1                  | —             | 1/4"                     | 7.0                      | 17.0                    | 10.0                     | 32.5                 | 15.5               | 50                | 0.35                           |
| <b>0.51</b><br>13.0          | 796808-2                  | —             | 1/4"                     | 7.0                      | 20.0                    | 10.0                     | 35.0                 | 18.0               | 50                | 0.42                           |
| <b>0.51</b><br>13.0          | 796808-3                  | —             | 3/8"                     | 10.0                     | 21.0                    | 10.0                     | 35.0                 | 18.0               | 50                | 0.45                           |
| <b>0.51</b><br>13.0          | 796808-4                  | G 16          | 1/2"                     | 10.0                     | 27.0                    | 14.0                     | 39.5                 | 18.0               | 50                | 0.45                           |
| <b>0.62</b><br>15.8          | 796808-5                  | —             | 3/8"                     | 10.0                     | 23.0                    | 10.0                     | 37.0                 | 21.0               | 50                | 0.60                           |
| <b>0.62</b><br>15.8          | 796808-6                  | G 16          | 1/2"                     | 12.5                     | 27.0                    | 14.0                     | 41.5                 | 21.0               | 50                | 0.60                           |
| <b>0.83</b><br>21.2          | 796808-7                  | G 16          | 1/2"                     | 16.0                     | 29.5                    | 14.0                     | 45.5                 | 27.0               | 50                | 1.00                           |
| <b>1.12</b><br>28.5          | 796808-8                  | G 22          | 3/4"                     | 20.5                     | 37.0                    | 14.0                     | 48.0                 | 34.0               | 25                | 1.40                           |
| <b>1.35</b><br>34.5          | 796808-9                  | G 28          | 1"                       | 27.5                     | 44.0                    | 16.0                     | 52.0                 | 40.0               | 25                | 2.20                           |
| <b>1.67</b><br>42.5          | 1-796808-0                | G 36          | 1 1/4"                   | 35.0                     | 52.0                    | 18.0                     | 56.5                 | 49.0               | 25                | 2.80                           |
| <b>2.15</b><br>54.5          | 1-796808-1                | —             | 1 1/2"                   | 36.5                     | 65.5                    | 15.0                     | 54.0                 | 59.0               | 10                | 4.40                           |
| <b>2.15</b><br>54.5          | 1-796808-2                | G 54          | 2"                       | 48.5                     | 64.5                    | 18.0                     | 60.0                 | 60.0               | 10                | 4.50                           |

\*Advice: For appropriate tubing/screw connecting combinations choose the same trade size AD (tubing outer-Ø).

**Corrugated Plastic Tubing Connections (Continued)**

**Performance Characteristics**

Plastic quick screw connection elbow with PG-outer thread acc. to DIN 40430.

**Construction**

Screw connection case, 90° elbow type/bend 90° and 45° with fixed thread as well as an integrated snap-in sleeve and sealing.

**Material**

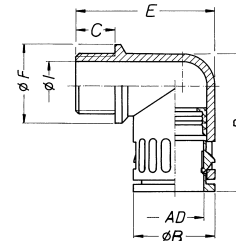
High quality, impact resistant plastic (PA). Sealing: TPE.

**Properties**

Rational tubing assembly due to one-piece screw connection with push-in lock. Simple dismounting by displacing the snap-in sleeve. Smallest outer dimensions to be used under confined conditions.

- Resistance against oil and benzene
- More resistant to acids and solvents
- Free of silicon, cadmium and halogen.

**RQW-P  
(IP 67)**



**Protective system**

IP 67 acc. EN 60529/IEC 529

**Temperature range**

From approx. -30°C up to +100°C

**Application**

For expert assembly, as protective insulation screw connection suited acc. to the application rules of EN 60204 in the machine and plant construction.

| Trade Size**<br>Tubing<br>Outer-Ø<br>AD | RQW-P<br>(Grey)<br>Part<br>Number | RQW-P<br>(Black)<br>Part<br>Number | Thread<br>DIN<br>40430<br>PG | Smallest<br>Inner-Ø<br>I | Largest<br>Outer-Ø<br>B | Length<br>of<br>Thread<br>C | Total<br>Length<br>D | Total<br>Height<br>E | Connection<br>Ø F | Packet/<br>Pieces | Weight<br>kg/100 p.<br>Approx. |
|-----------------------------------------|-----------------------------------|------------------------------------|------------------------------|--------------------------|-------------------------|-----------------------------|----------------------|----------------------|-------------------|-------------------|--------------------------------|
| 0.39<br>10.0                            | 969818-1                          | 969817-1                           | 7                            | 8.5                      | 17.0                    | 10                          | 33.5                 | 32.0                 | 16.0              | 50                | 0.40                           |
| 0.51<br>13.0                            | 969818-2*                         | 969817-2*                          | 9                            | 12.0                     | 20.0                    | 10                          | 36.0                 | 34.0                 | 20.0              | 50                | 0.60                           |
| 0.51<br>13.0                            | 1-969818-0                        | 1-969817-0                         | 11                           | 14.0                     | 20.0                    | 10                          | 39.0                 | 34.0                 | 23.0              | 50                | 0.75                           |
| 0.51<br>13.0                            | 1-969818-1                        | 1-969817-1                         | 13.5                         | 15.5                     | 20.0                    | 10                          | 40.0                 | 35.0                 | 25.0              | 50                | 0.80                           |
| 0.62<br>15.8                            | 969818-3                          | 969817-3*                          | 11                           | 15.5                     | 23.0                    | 10                          | 42.0                 | 37.5                 | 23.0              | 50                | 0.80                           |
| 0.72<br>18.5                            | 969818-9                          | 969817-9                           | 13.5                         | 13.5                     | 26.5                    | 11                          | 46.0                 | 44.0                 | 27.0              | 50                | 1.40                           |
| 0.83<br>21.2                            | 969818-4*                         | 969817-4*                          | 16                           | 18.0                     | 29.5                    | 12                          | 50.0                 | 47.0                 | 27.0              | 50                | 1.60                           |
| 1.12<br>28.5                            | 969818-5*                         | 969817-5*                          | 21                           | 24.0                     | 37.0                    | 12                          | 57.0                 | 55.0                 | 34.0              | 25                | 2.50                           |
| 1.35<br>34.5                            | 969818-6*                         | 969817-6*                          | 29                           | 32.0                     | 44.0                    | 12                          | 67.5                 | 63.0                 | 43.0              | 10                | 4.10                           |
| 1.67<br>42.5                            | 969818-7                          | 969817-7                           | 36                           | 36.5                     | 52.0                    | 12                          | 83.0                 | 70.0                 | 52.0              | 10                | 6.60                           |
| 2.14<br>54.5                            | 969818-8                          | 969817-8                           | 48                           | 48.5                     | 64.0                    | 14                          | 88.0                 | 83.0                 | 64.0              | 5                 | 9.50                           |

\*GGVS Certified

\*\*Advice: For appropriate tubing/screw connecting combinations choose the same trade size AD (tubing outer-Ø).

**Corrugated Plastic Tubing Connections (Continued)**

**Performance Characteristics**

Plastic quick screw connection elbow with metric ISO outer thread acc. to EN 60423.

**Construction**

Screw connection case, 90° elbow type/bend 90° and 45° with fixed thread as well as an integrated snap-in sleeve and sealing.

**Material**

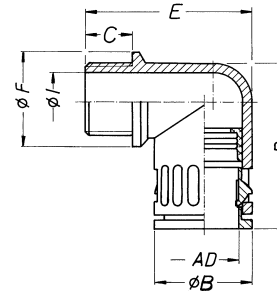
High quality, impact resistant plastic (PA). Sealing: TPE.

**Properties**

Rational tubing assembly due to one-piece screw connection with push-in lock. Simple dismounting by displacing the snap-in sleeve. Smallest outer dimensions to be used under confined conditions.

- Resistance against oil and benzene
- More resistant to acids and solvents
- Free of silicon, cadmium and halogen.

**RQW-M (IP 67)**



**Protective system**

IP 67 acc. EN 60529/IEC 529

**Temperature range**

From approx. -30°C up to +100°C

**Application**

For expert assembly, as protective insulation screw connection suited acc. to the application rules of EN 60204 in the machine and plant construction.

| Trade Size**<br>Tubing<br>Outer-Ø<br>AD | RQW-M<br>(Grey)<br>Part<br>Number | RQW-M<br>(Black)<br>Part<br>Number | Thread<br>EN<br>60423<br>Metric | Smallest<br>Inner-Ø<br>I | Largest<br>Outer-Ø<br>B | Length<br>of<br>Thread<br>C | Total<br>Length<br>D | Total<br>Height<br>E | Connection<br>Ø F | Packet/<br>Pieces | Weight<br>kg/100 p.<br>Approx. |
|-----------------------------------------|-----------------------------------|------------------------------------|---------------------------------|--------------------------|-------------------------|-----------------------------|----------------------|----------------------|-------------------|-------------------|--------------------------------|
| 0.39<br>10.0                            | 2-796284-1                        | 796284-1                           | 10 x 1.0                        | 7.0                      | 17.0                    | 12                          | 33.5                 | 34.0                 | 16.0              | 50                | 0.40                           |
| 0.51<br>13.0                            | 2-796284-2                        | 796284-2                           | 12 x 1.5                        | 8.0                      | 20.0                    | 12                          | 36.0                 | 36.5                 | 20.0              | 50                | 0.50                           |
| 0.51<br>13.0                            | 2-796284-3                        | 796284-3*                          | 16 x 1.5                        | 12.0                     | 20.0                    | 12                          | 36.0                 | 36.5                 | 20.0              | 50                | 0.80                           |
| 0.62<br>15.8                            | 2-796284-4                        | 796284-4                           | 16 x 1.5                        | 12.0                     | 23.0                    | 12                          | 42.0                 | 40.5                 | 23.0              | 50                | 0.90                           |
| 0.62<br>15.8                            | 2-796284-5                        | 796284-5*                          | 20 x 1.5                        | 15.5                     | 23.0                    | 13                          | 42.0                 | 41.5                 | 24.0              | 50                | 1.00                           |
| 0.83<br>21.2                            | 2-796284-6                        | 796284-6                           | 20 x 1.5                        | 15.5                     | 29.5                    | 13                          | 50.0                 | 49.0                 | 27.0              | 50                | 1.50                           |
| 0.83<br>21.2                            | 2-796284-7                        | 796284-7*                          | 25 x 1.5                        | 18.0                     | 29.5                    | 13                          | 50.0                 | 49.0                 | 29.5              | 50                | 1.60                           |
| 1.12<br>28.5                            | 2-796284-8                        | 796284-8                           | 25 x 1.5                        | 18.0                     | 37.0                    | 13                          | 57.0                 | 57.0                 | 34.0              | 25                | 2.50                           |
| 1.12<br>28.5                            | 2-796284-9                        | 796284-9*                          | 32 x 1.5                        | 24.0                     | 37.0                    | 15                          | 57.0                 | 59.0                 | 37.0              | 25                | 2.60                           |
| 1.35<br>34.5                            | 3-796284-0                        | 1-796284-0                         | 32 x 1.5                        | 24.0                     | 44.0                    | 15                          | 67.5                 | 67.0                 | 43.0              | 10                | 3.80                           |
| 1.35<br>34.5                            | 3-796284-1                        | 1-796284-1*                        | 40 x 1.5                        | 32.0                     | 44.0                    | 15                          | 67.5                 | 67.0                 | 45.0              | 10                | 4.00                           |
| 1.67<br>42.5                            | 3-796284-2                        | 1-796284-2                         | 40 x 1.5                        | 32.0                     | 52.0                    | 15                          | 83.0                 | 74.5                 | 52.0              | 10                | 6.40                           |
| 1.67<br>42.5                            | 3-796284-3                        | 1-796284-3                         | 50 x 1.5                        | 39.0                     | 52.0                    | 16                          | 83.0                 | 75.5                 | 55.0              | 10                | 6.60                           |
| 2.14<br>54.5                            | 3-796284-4                        | 1-796284-4                         | 50 x 1.5                        | 39.0                     | 64.0                    | 16                          | 88.0                 | 86.5                 | 64.0              | 5                 | 9.00                           |
| 2.14<br>54.5                            | 3-796284-5                        | 1-796284-5                         | 63 x 1.5                        | 53.0                     | 64.0                    | 16                          | 88.0                 | 86.5                 | 68.0              | 5                 | 9.40                           |

\*GGVS certified

**\*\*Advice:** For appropriate tubing/screw connecting combinations choose the same trade size AD (tubing outer-Ø).

**Corrugated Plastic Tubing Connections (Continued)**

**Performance Characteristics**

Plastic quick screw connection elbow, conically sealing, with PG-outer thread acc. to DIN 40430.

**Construction**

Screw connection case, 90° elbow type and fixed as well as an integrated snap-in sleeve and conic seal case.

**Material**

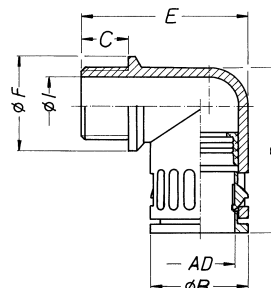
High quality, impact resistant plastic (PA).

**Properties**

Rational tubing assembly due to one-piece screw connection with push-in lock. Simple dismounting by displacing the snap-in sleeve. Smallest outer dimensions to be used under confined conditions.

- Resistance against oil and benzene
- More resistant to acids and solvents
- Free of silicon, cadmium and halogen.

**RQW1-P**  
**(IP 65)**



**Protective system**

IP 65 acc. EN 60529/IEC 529

**Temperature range**

From approx. -30°C up to +100°C

**Application**

For expert assembly, as protective insulation screw connection suited acc. to the application rules of EN 60204 in machine and plant construction.

| Trade Size**<br>Tubing Outer-Ø | RQW1-P<br>(Grey)<br>Part Number | RQW1-P<br>(Black)<br>Part Number | Thread<br>DIN 40430<br>PG | Smallest<br>Inner-Ø<br>I | Largest<br>Outer-Ø<br>B | Length<br>of<br>Thread<br>C | Total<br>Length<br>D | Total<br>Height<br>E | Connection<br>Ø F | Packet/<br>Pieces | Weight<br>kg/100 p.<br>Approx. |
|--------------------------------|---------------------------------|----------------------------------|---------------------------|--------------------------|-------------------------|-----------------------------|----------------------|----------------------|-------------------|-------------------|--------------------------------|
| <b>0.39</b><br>10.0            | 969820-1                        | <b>5020050207*</b>               | 7                         | 8.5                      | 17.0                    | 10                          | 33.5                 | 32.0                 | 16.0              | 50                | 0.40                           |
| <b>0.51</b><br>13.0            | 969820-2                        | 969819-2                         | 9                         | 12.0                     | 20.0                    | 10                          | 36.0                 | 34.0                 | 20.0              | 50                | 0.60                           |
| <b>0.62</b><br>15.8            | 969820-3                        | 969819-3                         | 11                        | 15.5                     | 23.0                    | 10                          | 42.0                 | 37.5                 | 23.0              | 50                | 0.80                           |
| <b>0.72</b><br>18.5            | 969820-9                        | <b>5020050213*</b>               | 13.5                      | 13.5                     | 26.5                    | 11                          | 46.0                 | 44.0                 | 27.0              | 50                | 1.40                           |
| <b>0.83</b><br>21.2            | 969820-4                        | 969819-4                         | 16                        | 18.0                     | 29.5                    | 12                          | 50.0                 | 47.0                 | 27.0              | 50                | 1.60                           |
| <b>1.12</b><br>28.5            | 969820-5                        | 969819-5                         | 21                        | 24.0                     | 37.0                    | 12                          | 57.0                 | 55.0                 | 34.0              | 25                | 2.45                           |
| <b>1.35</b><br>34.5            | 969820-6                        | 969819-6                         | 29                        | 32.0                     | 44.0                    | 12                          | 67.5                 | 63.0                 | 43.0              | 10                | 3.95                           |
| <b>1.67</b><br>42.5            | 969820-7                        | 969819-7                         | 36                        | 36.5                     | 52.0                    | 12                          | 83.0                 | 70.0                 | 52.0              | 10                | 6.50                           |
| <b>2.14</b><br>54.5            | 969820-8                        | 969819-8                         | 48                        | 48.5                     | 64.0                    | 14                          | 88.0                 | 83.0                 | 64.0              | 5                 | 9.00                           |

\*Part No. on inquiry.

\*\*Advice: For appropriate tubing/screw connecting combinations choose the same trade size AD (tubing outer-Ø).

**Corrugated Plastic Tubing Connections (Continued)**

**Performance Characteristics**

Plastic quick screw connection elbow with NPT-outer thread.

**Construction**

Screw connection case, 90° elbow type/bend 90° and 45° with fixed thread as well as an integrated snap-in sleeve and sealing.

**Material**

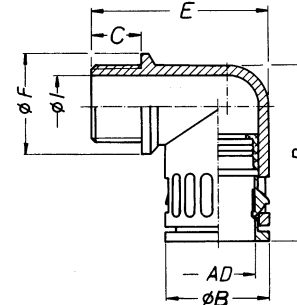
High quality, impact resistant plastic (PA). Sealing: TPE.

**Properties**

Rational tubing assembly due to one-piece screw connection with push-in lock. Simple dismounting by displacing the snap-in sleeve. Smallest outer dimensions to be used under confined conditions.

- Resistance against oil and benzene
- More resistant to acids and solvents
- Free of silicon, cadmium and halogen.

**RQW-N  
(IP 67)**



**Protective system**

IP 67 acc. EN 60529/IEC 529

**Temperature range**

From approx. -30°C up to +100°C

**Application**

For expert assembly, as protective insulation screw connection suited acc. to the application rules of EN 60204 in the machine and plant construction.

| Trade Size*<br>Tubing Outer-Ø | RQW-N (Grey)<br>Part Number | RQW-N (Black)<br>Part Number | Thread<br>NPT | Smallest Inner-Ø<br>I | Largest Outer-Ø<br>B | Length of Thread<br>C | Total Length<br>D | Total Height<br>E | Connection<br>Ø F | Packet/<br>Pieces | Weight<br>kg/100 p.<br>Approx. |
|-------------------------------|-----------------------------|------------------------------|---------------|-----------------------|----------------------|-----------------------|-------------------|-------------------|-------------------|-------------------|--------------------------------|
| <b>0.39</b><br>10.0           | 2-796254-1                  | 796254-1                     | 1/4           | 8.5                   | 17.0                 | 10.0                  | 33.5              | 32.0              | 16.0              | 50                | 0.40                           |
| <b>0.51</b><br>13.0           | 2-796254-2                  | 796254-2                     | 1/4           | 10.0                  | 20.0                 | 11.5                  | 36.0              | 36.0              | 20.0              | 50                | 0.60                           |
| <b>0.62</b><br>15.8           | 2-796254-3                  | 796254-3                     | 3/8           | 12.5                  | 23.0                 | 12.0                  | 42.0              | 40.5              | 23.0              | 50                | 0.80                           |
| <b>0.62</b><br>15.8           | 2-796254-4                  | 796254-4                     | 1/2           | 16.0                  | 26.0                 | 12.0                  | 42.0              | 40.5              | 26.0              | 50                | 1.10                           |
| <b>0.83</b><br>21.2           | 2-796254-5                  | 796254-5                     | 1/2           | 16.0                  | 29.5                 | 12.0                  | 50.0              | 47.0              | 27.0              | 50                | 1.60                           |
| <b>1.12</b><br>28.5           | 2-796254-6                  | 796254-6                     | 3/4           | 21.0                  | 37.0                 | 14.0                  | 57.5              | 56.0              | 34.0              | 25                | 2.80                           |
| <b>1.35</b><br>34.5           | 2-796254-7                  | 796254-7                     | 1             | 28.0                  | 44.0                 | 16.0                  | 67.5              | 63.0              | 43.0              | 10                | 5.60                           |
| <b>1.67</b><br>42.5           | 2-796254-8                  | 796254-8                     | 1 1/4         | 36.5                  | 52.0                 | 18.0                  | 83.0              | 76.0              | 52.0              | 10                | 5.10                           |
| <b>1.67</b><br>42.5           | 2-796254-9                  | 796254-9                     | 1 1/2         | 36.5                  | 54.0                 | 18.0                  | 83.0              | 76.0              | 54.0              | 10                | 5.50                           |
| <b>2.14</b><br>54.5           | 3-796254-0                  | 1-796254-0                   | 1 1/2         | 48.5                  | 64.0                 | 18.0                  | 88.0              | 87.0              | 64.0              | 5                 | 6.70                           |
| <b>2.14</b><br>54.5           | 3-796254-1                  | 1-796254-1                   | 2             | 48.5                  | 66.0                 | 21.0                  | 88.0              | 90.0              | 66.0              | 5                 | 7.00                           |

\*Advice: For appropriate tubing/screw connecting combinations choose the same trade size AD (tubing outer-Ø).



**Corrugated Plastic Tubing Connections (Continued)**

**Performance Characteristics**

Plastic connection elbow with CTG thread.

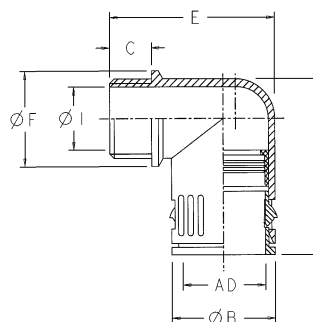
**Material**

High quality plastic (PA).

**Color**

Black

**RQW-CTG**



| Trade Size*<br>Tubing Outer-Ø | RQW-CTG<br>Part Number | Thread<br>CTG | Thread<br>Whitworth<br>G | Smallest<br>Inner-Ø<br>I | Largest<br>Outer-Ø<br>B | Length<br>of<br>Thread<br>C | Total<br>Length<br>D | Total<br>Height<br>E | Flange<br>Ø F | Packet/<br>Pieces | Weight<br>kg/100 p.<br>Approx. |
|-------------------------------|------------------------|---------------|--------------------------|--------------------------|-------------------------|-----------------------------|----------------------|----------------------|---------------|-------------------|--------------------------------|
| <b>0.51</b><br>13.0           | 796809-1               | G 16          | 1/2"                     | 16.5                     | 20.0                    | 14.0                        | 36.0                 | 40.0                 | 27.0          | 50                | 0.80                           |
| <b>0.62</b><br>15.8           | 796809-2               | G 16          | 1/2"                     | 16.5                     | 23.0                    | 14.0                        | 42.0                 | 43.0                 | 27.0          | 50                | 1.00                           |
| <b>0.83</b><br>21.2           | 796809-3               | G 16          | 1/2"                     | 16.5                     | 29.5                    | 14.0                        | 50.0                 | 49.0                 | 27.0          | 50                | 1.60                           |
| <b>1.12</b><br>28.5           | 796809-4               | G 22          | 3/4"                     | 21.5                     | 37.5                    | 14.0                        | 57.0                 | 57.0                 | 34.0          | 25                | 2.60                           |
| <b>1.35</b><br>34.5           | 796809-5               | G 28          | 1"                       | 28.5                     | 44.0                    | 16.0                        | 67.5                 | 66.5                 | 43.0          | 10                | 4.00                           |
| <b>1.67</b><br>42.5           | 796809-6               | G 36          | 1 1/4"                   | 36.0                     | 52.0                    | 18.0                        | 83.0                 | 76.0                 | 52.0          | 10                | 6.60                           |
| <b>2.14</b><br>54.5           | 796809-7               | G 54          | 2"                       | 54.5                     | 64.0                    | 21.0                        | 88.0                 | 89.5                 | 64.0          | 5                 | 9.40                           |

\*Advice: For appropriate tubing/screw connecting combinations choose the same trade size AD (tubing outer-Ø).

**Corrugated Plastic Tubing Connections (Continued)**

**Performance Characteristics**

One-piece plastic quick screw connection elbow, conically sealing, with PG-thread for corrugated tubings.

**Construction**

Screw connection case, 90° elbow type and fixed PG connecting thread DIN 40430, with conic sealing case.

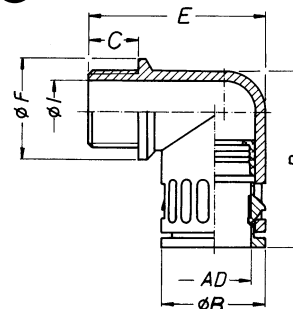
**Material**

High-quality, impact resistant plastic material (PA).

**Easy to assemble**

Easy to assemble due to one-piece screw connection with push-in lock. Simple disconnect by displacing the snap-in sleeve. Smallest outer dimensions to be used under confined conditions. Smallest inner-Ø I ≥ tubing inside diameter.

**RQWC-N**  
**(IP 67)**



**Protective system**

IP 67 acc. EN 60529

**Temperature range**

From approx. -30°C up to +100°C.

**Application**

For expert assembly, as protective insulating screw connection suited acc. to

the application rules of DIN EN 60204 in the machine and plant construction.

**Color**

Black

**Suitable for tubing types**

Corrugated tubing, type: **ROHRflex**.

| Trade Size*<br>Tubing Outer-Ø | RQWC-N<br>(Black)<br>Part Number | Thread<br>NPT | Smallest<br>Inner-Ø<br>I (mm) | Largest<br>Outer-Ø<br>B | Length<br>of<br>Thread<br>C | Total<br>Length<br>D | Total<br>Height<br>E | Connection<br>Ø F | Packet/<br>Pieces | Weight<br>kg/100 p.<br>Approx. |
|-------------------------------|----------------------------------|---------------|-------------------------------|-------------------------|-----------------------------|----------------------|----------------------|-------------------|-------------------|--------------------------------|
| <b>.051</b><br>13.0           | 796493-1                         | 1/4           | 8.5                           | 17.0                    | 10.0                        | 33.5                 | 32.0                 | 16.0              | 50                | 0.40                           |
| <b>0.62</b><br>15.8           | 796493-2                         | 3/8           | 10.0                          | 20.0                    | 11.5                        | 36.0                 | 36.0                 | 20.0              | 50                | 0.60                           |
| <b>0.70</b><br>17.8           | 796493-3                         | 3/8           | 12.5                          | 26.0                    | 12.0                        | 45.0                 | 43.5                 | 25.0              | 50                | 1.40                           |
| <b>0.70</b><br>17.8           | 796493-4                         | 1/2           | 16.0                          | 29.5                    | 13.0                        | 50.0                 | 46.5                 | 27.0              | 50                | 1.60                           |
| <b>0.85</b><br>21.8           | 796493-5                         | 1/2           | 16.0                          | 29.5                    | 13.0                        | 50.0                 | 48.5                 | 27.0              | 50                | 1.60                           |
| <b>1.12</b><br>28.5           | 796493-6                         | 3/4           | 21.0                          | 37.0                    | 14.0                        | 57.5                 | 56.0                 | 34.0              | 25                | 2.80                           |
| <b>1.35</b><br>34.4           | 796493-7                         | 1             | 28.0                          | 44.0                    | 16.0                        | 67.5                 | 56.0                 | 43.0              | 10                | 4.80                           |
| <b>1.67</b><br>42.5           | 796493-8                         | 1 1/4         | 16.0                          | 29.5                    | 12.0                        | 50.0                 | 47.0                 | 27.0              | 10                | 1.60                           |

\*Advice: For appropriate tubing/screw connecting combinations choose the same trade size AD (tubing outer-Ø).

**Corrugated Plastic Tubing Connections (Continued)**

**Performance Characteristics**

One-piece plastic quick screw connection with UNEF-internal thread for corrugated tubing.

**Construction**

Screw connection case with hexagon wrench surface fixed UNEF inner thread as well as an integrated snap-in sleeve and sealing.

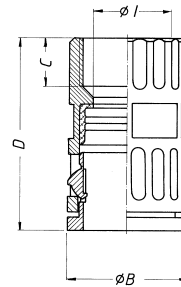
**Material**

High-quality, impact resistant plastic material (PA).  
Sealing: Santoprene®

**Easy to assemble**

Easy to assemble due to one-piece screw connection with push-in lock. Simple

**RQG2-U (IP 67)**



disconnect by displacing the snap-in sleeve. Smallest outer dimensions to be used under confined conditions.  
Smallest inner-Ø I ≥ tubing inside diameter.

**Temperature range**

From approx. -30°C up to +100°C.

**Application**

For expert assembly, as protective insulating screw connection suited acc. to the application rules of DIN EN 60204 in the machine and plant construction.

**Color**

Grey and black

**Suitable for tubing types**

Corrugated tubing, type: ROHRflex.

**Thread dimensions**

Other UNEF thread dimensions on inquiry.

| Trade Size**<br>Tubing Outer-Ø<br>AD | RQG2-U<br>(Grey)<br>Part<br>Number | RQG2-U<br>(Black)<br>Part<br>Number | Inner Thread UNEF     | Smallest<br>Inner-Ø<br>I | Largest<br>Outer-Ø<br>B | Length<br>of<br>Thread<br>C | Wrench Size<br>Total<br>Length<br>D | Across<br>Flats<br>SW | Packet/<br>Pieces | Weight<br>kg/100 p.<br>Approx. |
|--------------------------------------|------------------------------------|-------------------------------------|-----------------------|--------------------------|-------------------------|-----------------------------|-------------------------------------|-----------------------|-------------------|--------------------------------|
| 0.51<br>13.0                         | 969808-2                           | 969807-2                            | 1/2" (0.500) - 28     | 10.0                     | 20.0                    | 8                           | 36.6                                | 18.0                  | 50                | 0.50                           |
| 0.51<br>13.0                         | 1-969808-2                         | 1-969807-2                          | 5/8" (0.625) - 24     | 10.0                     | 20.6                    | 8                           | 36.6                                | 18.0                  | 50                | 0.55                           |
| 0.51<br>13.0                         | 2-969808-2                         | 2-969807-2                          | 3/4" (0.750) - 20     | 10.0                     | 23.0                    | 9.5                         | 38.5                                | 18.0                  | 50                | 0.60                           |
| 0.62<br>15.8                         | 969810-3                           | 969809-3                            | 5/8" (0.625) - 24     | 12.5                     | 23.6                    | 9.5                         | 41.7                                | 21.0                  | 50                | 0.60                           |
| 0.62<br>15.8                         | 1-969810-3                         | 1-969809-3                          | 3/4" (0.750) - 20     | 12.5                     | 23.6                    | 9.5                         | 41.7                                | 21.0                  | 50                | 0.65                           |
| 0.62<br>15.8                         | 3-969810-3                         | 969807-4                            | 15/16" (0.9375) - 20  | 12.5                     | 30.0                    | 9.5                         | 45.5                                | 21.0                  | 50                | 0.95                           |
| 0.62<br>15.8                         | 2-969810-3                         | 2-969809-3                          | 1" (1.000) - 20       | 12.5                     | 30.0                    | 9.5                         | 45.5                                | 21.0                  | 50                | 1.00                           |
| 0.83<br>21.2                         | 969812-5                           | 969811-3                            | 5/8" (0.625) - 24     | 12.5                     | 30.1                    | 9.5                         | 50.5                                | 27.0                  | 50                | 1.10                           |
| 0.83<br>21.2                         | 969812-4                           | 969811-4                            | 7/8" (0.875) - 20     | 17.0                     | 29.5                    | 9.5                         | 50.5                                | 27.0                  | 50                | 1.00                           |
| 0.83<br>21.2                         | 1-969812-4                         | 1-969811-4                          | 15/16" (0.9375) - 20  | 17.0                     | 30.1                    | 9.5                         | 50.3                                | 27.0                  | 50                | 1.10                           |
| 0.83<br>21.2                         | 2-969812-4                         | 2-969811-4                          | 1" (1.000) - 20       | 17.0                     | 30.1                    | 9.5                         | 50.3                                | 27.0                  | 50                | 1.10                           |
| 0.83<br>21.2                         | 3-969812-4                         | 3-969811-4                          | 1 3/16" (1.1875) - 18 | 17.0                     | 34.6                    | 9.5                         | 52.3                                | 27.0                  | 50                | 1.40                           |
| 0.83<br>21.2                         | 5-969812-7                         | 6-969811-4                          | 1 3/8" (1.375) - 18   | 17.0                     | 41.0                    | 9.5                         | 52.5                                | 27.0                  | 50                | 2.15                           |
| 0.83<br>21.2                         | 4-969812-4                         | 4-969811-4                          | 1 7/16" (1.4375) - 18 | 17.0                     | 41.0                    | 9.5                         | 52.5                                | 27.0                  | 50                | 1.45                           |
| 0.83<br>21.2                         | 5-969812-4                         | 5-969811-4                          | 1 3/4" (1.750) - 18   | 17.0                     | 49.0                    | 9.5                         | 52.5                                | 27.0                  | 50                | 1.50                           |
| 1.12<br>28.5                         | 4-969814-5                         | 4-969813-7                          | 15/16" (0.9375) - 20  | 17.0                     | 37.0                    | 9.5                         | 52.5                                | 34.0                  | 25                | 1.30                           |
| 1.12<br>28.5                         | 5020047014*                        | 5020047214*                         | 1" (1.000) - 20       | 23.5                     | 37.0                    | 9.5                         | 54.0                                | 34.0                  | 25                | 2.05                           |
| 1.12<br>28.5                         | 969814-5                           | 969813-5                            | 1 3/16" (1.1875) - 18 | 23.5                     | 37.0                    | 9.5                         | 52.5                                | 34.0                  | 25                | 1.45                           |
| 1.12<br>28.5                         | 1-969814-5                         | 1-969813-5                          | 1" (1.000) - 20       | 23.5                     | 37.0                    | 9.5                         | 54.0                                | 34.0                  | 25                | 1.40                           |
| 1.12<br>28.5                         | 2-969814-5                         | 2-969813-5                          | 1 3/8" (1.375) - 18   | 23.5                     | 41.0                    | 9.5                         | 54.0                                | 34.0                  | 25                | 1.50                           |
| 1.12<br>28.5                         | 3-969814-5                         | 3-969813-5                          | 1 7/16" (1.4375) - 18 | 23.5                     | 41.0                    | 9.5                         | 54.0                                | 34.0                  | 25                | 1.50                           |
| 1.35<br>34.5                         | 969816-6                           | 969815-6                            | 1 7/16" (1.4375) - 18 | 30.5                     | 41.0                    | 9.5                         | 55.0                                | 40.0                  | 25                | 1.80                           |
| 1.35<br>34.5                         | 1-969816-6                         | 1-969815-6                          | 1 3/4" (1.750) - 18   | 30.5                     | 49.0                    | 9.5                         | 56.0                                | 40.0                  | 25                | 2.55                           |
| 1.35<br>34.5                         | 2-969816-6                         | 2-969815-6                          | 2" (2.000) - 18       | 30.5                     | 55.0                    | 9.5                         | 56.0                                | 40.0                  | 10                | 2.80                           |
| 1.35<br>34.5                         | —                                  | 2-969815-9                          | 1 3/8" (1.375) - 18   | 23.5                     | 52.0                    | 9.5                         | 56.0                                | 40.0                  | 10                | 2.30                           |

\*Part No. on inquiry.

\*\*Advice: For appropriate tubing/screw connecting combinations choose the same trade size AD (tubing outer-Ø).

**Corrugated Plastic Tubing Connections (Continued)**

**Performance Characteristics**

One-piece plastic quick screw connection, conically sealing, with UNEF-inner thread for corrugated tubings.

**Construction**

Screw connection case with hexagon wrench surface and fixed UNEF inner thread with conic sealing case.

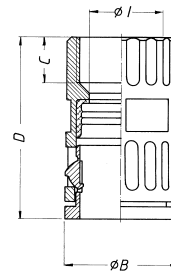
**Material**

High-quality, impact resistant plastic material (PA).

**Easy to assemble**

Easy to assemble due to one-piece screw connection with push-in lock. Simple

**RQG3-U  
(IP 66)**



disconnect by displacing the snap-in sleeve. Smallest outer dimensions to be used under confined conditions. Smallest inner-Ø I ≥ tubing inside diameter.

**Protective system**  
IP 66 acc. EN 60529

**Temperature range**

From approx. -30°C up to +100°C.

**Application**

For expert assembly, as protective insulating screw connection suited acc. to the application rules of DIN EN 60204 in the machine and plant construction.

**Color**

Grey and black

**Suitable for tubing types**

Corrugated tubing, type: **ROHRflex**.

**Thread dimensions**

Other UNEF thread dimensions on inquiry.

| Trade Size**<br>Tubing<br>Outer-Ø<br>AD | RQG3-U<br>(Grey)<br>Part<br>Number | RQG3-U<br>(Black)<br>Part<br>Number | Inner Thread UNEF |          |      | Smallest<br>Inner-Ø<br>I | Largest<br>Outer-Ø<br>B | Length<br>of<br>Thread<br>C | Total<br>Length<br>D | Wrench Size<br>Across<br>Flats<br>SW | Packet/<br>Pieces | Weight<br>kg/100 p.<br>Approx. |
|-----------------------------------------|------------------------------------|-------------------------------------|-------------------|----------|------|--------------------------|-------------------------|-----------------------------|----------------------|--------------------------------------|-------------------|--------------------------------|
| <b>0.51</b><br>13.0                     | 969822-2                           | 969821-2                            | 1/2"              | (0.500)  | - 28 | 10.0                     | 20.0                    | 8                           | 36.6                 | 18.0                                 | 50                | 0.50                           |
| <b>0.51</b><br>13.0                     | 1-969822-2                         | 1-969821-2                          | 5/8"              | (0.625)  | - 24 | 10.0                     | 20.6                    | 8                           | 36.6                 | 18.0                                 | 50                | 0.55                           |
| <b>0.51</b><br>13.0                     | 2-969822-2                         | 2-969821-2                          | 3/4"              | (0.750)  | - 20 | 10.0                     | 23.0                    | 9.5                         | 38.5                 | 18.0                                 | 50                | 0.60                           |
| <b>0.62</b><br>15.8                     | 969824-3                           | 969823-3                            | 5/8"              | (0.625)  | - 24 | 12.5                     | 23.6                    | 9.5                         | 41.7                 | 21.0                                 | 50                | 0.60                           |
| <b>0.62</b><br>15.8                     | 1-969824-3                         | 1-969823-3                          | 3/4"              | (0.750)  | - 20 | 12.5                     | 23.6                    | 9.5                         | 41.7                 | 21.0                                 | 50                | 0.65                           |
| <b>0.62</b><br>15.8                     | 3-969824-3                         | <b>5020054225*</b>                  | 15/16"            | (0.9375) | - 20 | 12.5                     | 30.0                    | 9.5                         | 45.5                 | 21.0                                 | 50                | 0.95                           |
| <b>0.62</b><br>15.8                     | 2-969824-3                         | 2-969823-3                          | 1"                | (1.000)  | - 20 | 12.5                     | 30.0                    | 9.5                         | 45.5                 | 21.0                                 | 50                | 1.00                           |
| <b>0.83</b><br>21.2                     | 969826-3                           | 969825-3                            | 5/8"              | (0.625)  | - 24 | 12.5                     | 30.1                    | 9.5                         | 50.5                 | 27.0                                 | 50                | 1.10                           |
| <b>0.83</b><br>21.2                     | 969826-4                           | 969825-4                            | 7/8"              | (0.875)  | - 20 | 17.0                     | 29.5                    | 9.5                         | 50.5                 | 27.0                                 | 50                | 1.00                           |
| <b>0.83</b><br>21.2                     | 1-969826-4                         | 1-969825-4                          | 15/16"            | (0.9375) | - 20 | 17.0                     | 30.1                    | 9.5                         | 50.3                 | 27.0                                 | 50                | 1.10                           |
| <b>0.83</b><br>21.2                     | 2-969826-4                         | 2-969825-4                          | 1"                | (1.000)  | - 20 | 17.0                     | 30.1                    | 9.5                         | 50.3                 | 27.0                                 | 50                | 1.10                           |
| <b>0.83</b><br>21.2                     | 3-969826-4                         | 3-969825-4                          | 1 3/16"           | (1.1875) | - 18 | 17.0                     | 34.6                    | 9.5                         | 52.3                 | 27.0                                 | 50                | 1.40                           |
| <b>0.83</b><br>21.2                     | 6-969826-4                         | 6-969825-4                          | 1 3/8"            | (1.375)  | - 18 | 17.0                     | 41.0                    | 9.5                         | 52.5                 | 27.0                                 | 50                | 1.42                           |
| <b>0.83</b><br>21.2                     | 4-969826-4                         | 4-969825-4                          | 1 7/16"           | (1.4375) | - 18 | 17.0                     | 41.0                    | 9.5                         | 52.5                 | 27.0                                 | 50                | 1.45                           |
| <b>0.83</b><br>21.2                     | 5-969826-4                         | 5-969825-4                          | 1 3/4"            | (1.750)  | - 18 | 17.0                     | 49.0                    | 9.5                         | 52.5                 | 27.0                                 | 50                | 1.50                           |
| <b>1.12</b><br>28.5                     | 4-969828-3                         | 4-969827-7                          | 15/16"            | (0.9375) | - 20 | 17.0                     | 37.0                    | 9.5                         | 52.5                 | 34.0                                 | 25                | 1.30                           |
| <b>1.12</b><br>28.5                     | 1-969828-5                         | 1-969827-5                          | 1"                | (1.000)  | - 20 | 23.5                     | 37.0                    | 9.5                         | 54.0                 | 34.0                                 | 25                | 1.40                           |
| <b>1.12</b><br>28.5                     | 969828-5                           | 969827-5                            | 1 3/16"           | (1.1875) | - 18 | 23.5                     | 37.0                    | 9.5                         | 52.5                 | 34.0                                 | 25                | 1.45                           |
| <b>1.12</b><br>28.5                     | 2-969828-5                         | 2-969827-5                          | 1 3/8"            | (1.375)  | - 18 | 23.5                     | 41.0                    | 9.5                         | 54.0                 | 34.0                                 | 25                | 1.50                           |
| <b>1.12</b><br>28.5                     | 3-969828-5                         | 3-969827-5                          | 1 7/16"           | (1.4375) | - 18 | 23.5                     | 41.0                    | 9.5                         | 54.0                 | 34.0                                 | 25                | 1.50                           |
| <b>1.35</b><br>34.5                     | 2-969830-9                         | 2-969829-9                          | 1 3/8"            | (1.375)  | - 18 | 23.5                     | 44.0                    | 9.5                         | 56.0                 | 40.0                                 | 10                | 2.80                           |
| <b>1.35</b><br>34.5                     | 969830-6                           | 969829-6                            | 1 7/16"           | (1.4375) | - 18 | 30.5                     | 41.0                    | 9.5                         | 55.0                 | 40.0                                 | 25                | 1.80                           |
| <b>1.35</b><br>34.5                     | 1-969830-6                         | 1-969829-6                          | 1 3/4"            | (1.750)  | - 18 | 30.5                     | 49.0                    | 9.5                         | 56.0                 | 40.0                                 | 25                | 2.55                           |
| <b>1.35</b><br>34.5                     | 2-969830-6                         | 2-969829-6                          | 2"                | (2.000)  | - 18 | 30.5                     | 55.0                    | 9.5                         | 56.0                 | 40.0                                 | 10                | 2.80                           |

\*Part No. on inquiry.

**\*\*Advice: For appropriate tubing/screw connecting combinations choose the same trade size AD (tubing outer-Ø).**

### Performance Characteristics

One-piece plastic quick screw connection with PG-thread and additional strain relief for corrugated tubings.

### Construction

Screw connection case with hexagon wrench surface fixed connecting thread DIN 40430 as well as an integrated snap-in sleeve, sealing and strain relief.

### Material

High-quality, impact resistant plastic material (PA).

Sealing: Santoprene®

### Easy to assemble

Easy to assemble due to one-piece screw connection with push-in lock. Simple disconnect by displacing the snap-in sleeve. Smallest inner-Ø I ≥ tubing inside diameter as well as cable clamp possibility in the indicated range.

### Protective system

IP 67 acc. EN 60529/IEC 529

### Temperature range

From approx. -30°C up to approx. +100°C.

### Application

For expert assembly, as protective insulating screw connection suited acc. to the application rules of DIN EN 60204 in the machine and plant construction with possibility of cable strain relief.

### Color

Grey and black

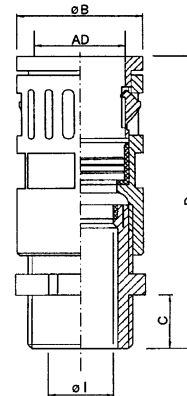
### Suitable for tubing types

Corrugated tubing type:

**ROHRflex**

Other thread dimensions on inquiry.

### RQGZ-P (IP 67)



| Trade Size*<br>Tubing<br>Outer-Ø<br>AD | RQGZ-P<br>(Grey)<br>Part<br>Number | RQGZ-P<br>(Black)<br>Part<br>Number | Thread<br>PG | Smallest<br>Inner-<br>Ø I | Largest<br>Outer-<br>Ø B | Length<br>of<br>Thread<br>C | Total<br>Length<br>D | Wrench<br>Size<br>Across<br>Flats SW | Packet/<br>Pieces | Weight<br>kg/100 p.<br>Approx. |
|----------------------------------------|------------------------------------|-------------------------------------|--------------|---------------------------|--------------------------|-----------------------------|----------------------|--------------------------------------|-------------------|--------------------------------|
| <b>0.39</b><br>10.0                    | 969836-1                           | 969835-1                            | 7            | 7.0                       | 17.0                     | 8                           | 51.0                 | 16.0                                 | 20                | 0.80                           |
| <b>0.51</b><br>13.0                    | 969836-2                           | 969835-2                            | 9            | 8.0                       | 20.0                     | 8                           | 53.0                 | 18.0                                 | 20                | 1.00                           |
| <b>0.62</b><br>15.8                    | 969836-3                           | 969835-3                            | 11           | 10.0                      | 23.0                     | 8                           | 59.0                 | 21.0                                 | 20                | 1.30                           |
| <b>0.62</b><br>15.8                    | 969836-9                           | 969835-9                            | 13.5         | 12.0                      | 27.0                     | 8                           | 59.0                 | 21.0                                 | 20                | 1.40                           |
| <b>0.72</b><br>18.5                    | 1-969836-0                         | 1-969835-0                          | 13.5         | 12.0                      | 27.0                     | 8                           | 59.0                 | 24.0                                 | 20                | 1.60                           |
| <b>0.83</b><br>21.2                    | 1-969836-1                         | 1-969835-1                          | 13.5         | 12.0                      | 29.5                     | 8                           | 70.0                 | 27.0                                 | 10                | 1.90                           |
| <b>0.83</b><br>21.2                    | 969836-4                           | 969835-4                            | 16           | 14.0                      | 29.5                     | 10                          | 72.0                 | 27.0                                 | 10                | 1.70                           |
| <b>1.12</b><br>28.5                    | 969836-5                           | 969835-5                            | 21           | 18.0                      | 37.0                     | 11                          | 82.0                 | 34.0                                 | 10                | 2.4                            |
| <b>1.35</b><br>34.5                    | 969836-6                           | 969835-6                            | 29           | 25.0                      | 44.0                     | 12                          | 85.0                 | 40.0                                 | 10                | 4.2                            |
| <b>1.67</b><br>42.5                    | 969836-7                           | 969835-7                            | 36           | 32.0                      | 52.0                     | 13                          | 106.0                | 49.0                                 | 10                | 10.0                           |
| <b>2.14</b><br>54.5                    | 969836-8                           | 969835-8                            | 48           | 44.0                      | 64.0                     | 14                          | 112.0                | 60.0                                 | 10                | 13.0                           |

**\*Advice:** For appropriate tubing/screw connecting combinations choose the same trade size AD (tubing outer-Ø).

**Note:** To ensure a high protection system between cable gland insert and screw connection housing it is necessary to use a sealing compound.

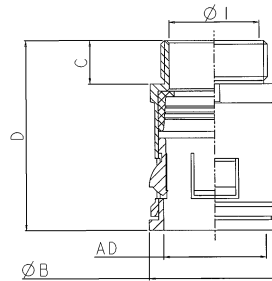
**Performance Characteristics**

Straight metal connection.

**Material**

Brass. Finish: Nickel.

**RQGM-P**



| Trade Size<br>Tubing<br>Outer-Ø<br>AD | RQGM-P<br>Part<br>Number | Thread<br>PG | Smallest<br>Inner-<br>Ø I | Largest<br>Outer-<br>Ø B | Length<br>of<br>Thread<br>C | Total<br>Length<br>D | Hex<br>Width<br>SW | Packet/<br>Pieces | Weight<br>kg/100 p.<br>Approx. |
|---------------------------------------|--------------------------|--------------|---------------------------|--------------------------|-----------------------------|----------------------|--------------------|-------------------|--------------------------------|
| 0.39<br>10.0                          | 969837-1                 | 7            | 9.5                       | 17.0                     | 7.0                         | 28.5                 | 15.0               | 50                | 0.80                           |
| 0.51<br>13.0                          | 969837-2                 | 9            | 11.5                      | 21.0                     | 7.0                         | 30.5                 | 19.0               | 50                | 1.20                           |
| 0.62<br>15.8                          | 969837-3                 | 11           | 15.5                      | 24.5                     | 7.5                         | 33.5                 | 23.0               | 50                | 2.00                           |
| 0.83<br>21.2                          | 969837-4                 | 16           | 19.0                      | 29.0                     | 7.5                         | 38.5                 | 27.0               | 50                | 3.00                           |
| 1.12<br>28.5                          | 969837-5                 | 21           | 24.0                      | 37.0                     | 10.0                        | 42.5                 | 34.0               | 25                | 4.00                           |
| 1.35<br>34.5                          | 969837-6                 | 29           | 32.5                      | 46.0                     | 10.0                        | 44.5                 | 43.0               | 25                | 6.40                           |
| 1.67<br>42.5                          | 969837-7                 | 36           | 40.0                      | 55.0                     | 10.0                        | 46.5                 | 52.0               | 25                | 9.60                           |
| 2.14<br>54.5                          | 969837-8                 | 48           | 50.0                      | 67.0                     | 10.0                        | 47.0                 | 63.0               | 10                | 11.60                          |

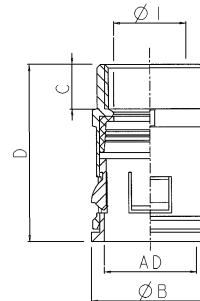
**Performance Characteristics**

Metal connection, inner thread.

**Material**

Brass. Finish: Nickel.

**RQGM2-P**



| Trade Size<br>Tubing<br>Outer-Ø<br>AD | RQGM-P<br>Part<br>Number | Thread<br>PG | Smallest<br>Inner-<br>Ø I | Largest<br>Outer-<br>Ø B | Length<br>of<br>Thread<br>C | Total<br>Length<br>D | Hex<br>Width<br>SW | Packet/<br>Pieces | Weight<br>kg/100 p.<br>Approx. |
|---------------------------------------|--------------------------|--------------|---------------------------|--------------------------|-----------------------------|----------------------|--------------------|-------------------|--------------------------------|
| 0.39<br>10.0                          | 969838-1                 | 7            | 9.5                       | 17.0                     | 7.0                         | 28.5                 | 15.0               | 50                | 1.00                           |
| 0.51<br>13.0                          | 969838-2                 | 9            | 11.5                      | 21.0                     | 7.0                         | 30.5                 | 19.0               | 50                | 1.50                           |
| 0.62<br>15.8                          | 969838-3                 | 11           | 15.5                      | 24.5                     | 8.0                         | 33.5                 | 23.0               | 50                | 2.30                           |
| 0.83<br>21.2                          | 969838-4                 | 16           | 19.0                      | 29.5                     | 8.0                         | 38.5                 | 27.0               | 50                | 3.20                           |
| 1.12<br>28.5                          | 969838-5                 | 21           | 24.0                      | 37.0                     | 12.0                        | 42.5                 | 34.0               | 25                | 4.20                           |
| 1.35<br>34.5                          | 969838-6                 | 29           | 32.5                      | 46.0                     | 12.0                        | 44.5                 | 43.0               | 25                | 6.90                           |
| 1.67<br>42.5                          | 969838-7                 | 36           | 40.0                      | 55.0                     | 12.0                        | 46.5                 | 52.0               | 25                | 10.10                          |
| 2.14<br>54.5                          | 969838-8                 | 48           | 50.0                      | 67.0                     | 12.0                        | 47.0                 | 63.0               | 10                | 12.20                          |

**Performance  
Characteristics**

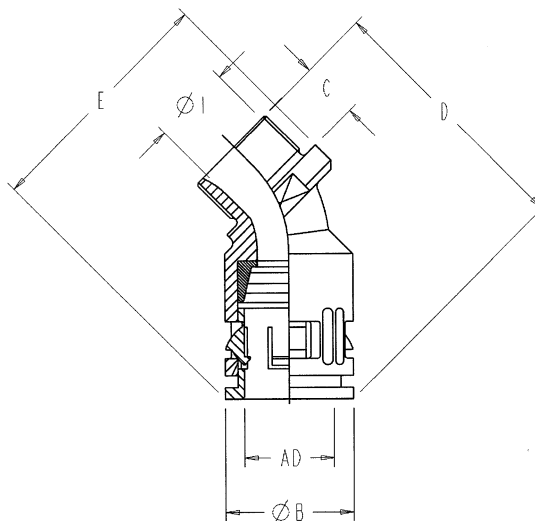
Plastic Bend, 45° with PG-Thread.

**Color**

Black

**Corrugated Plastic Tubing Connections (Continued)**

**RQB1-45**



| Trade Size<br>Tubing<br>Outer-Ø<br>AD | RQB1-45<br>Part<br>Number | Thread<br>PG | Smallest<br>Inner-<br>Ø I | Largest<br>Outer-<br>Ø B | Length<br>of<br>Thread<br>C | Total<br>Length<br>E | Total<br>Height<br>D | Hex<br>Width<br>SW | Packet/<br>Pieces | Weight<br>kg/100 p.<br>Approx. |
|---------------------------------------|---------------------------|--------------|---------------------------|--------------------------|-----------------------------|----------------------|----------------------|--------------------|-------------------|--------------------------------|
| 0.39<br>10.0                          | 796384-1                  | 7            | 7.9                       | 17.0                     | 10.0                        | 39.0                 | 55.0                 | 16.5               | 50                | 0.60                           |
| 0.51<br>13.0                          | 796384-2                  | 9            | 9.0                       | 20.0                     | 12.0                        | 40.5                 | 56.7                 | 20.0               | 50                | 0.80                           |
| 0.62<br>15.8                          | 796384-3                  | 11           | 10.0                      | 23.0                     | 12.0                        | 44.6                 | 59.3                 | 24.0               | 50                | 1.10                           |
| 0.73<br>18.5                          | 796384-4                  | 13.5         | 12.5                      | 25.0                     | 12.0                        | 46.0                 | 59.0                 | 26.0               | 50                | 1.30                           |
| 0.83<br>21.2                          | 796384-5                  | 16           | 15.0                      | 29.5                     | 13.0                        | 48.0                 | 72.0                 | 26.0               | 50                | 1.70                           |
| 1.12<br>28.5                          | 796384-6                  | 21           | 20.0                      | 37.0                     | 14.0                        | 63.8                 | 83.8                 | 36.0               | 25                | 2.90                           |
| 1.35<br>34.5                          | 796384-7                  | 29           | 30.0                      | 44.0                     | 14.0                        | 73.6                 | 98.6                 | 45.0               | 10                | 4.00                           |
| 1.67<br>42.5                          | 796384-8                  | 36           | 39.0                      | 52.0                     | 17.0                        | 82.4                 | 109.0                | 58.0               | 10                | 6.50                           |
| 2.14<br>54.5                          | 796384-9                  | 48           | 45.5                      | 64.0                     | 17.0                        | 97.2                 | 122.0                | 69.5               | 5                 | 8.50                           |



**Performance Characteristics**

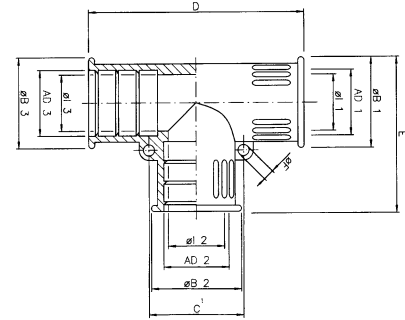
Plastic T-Distributor.

**Material**

Plastic.

**Corrugated Plastic Tubing Connections (Continued)**

**RQT  
(IP 67)**



| Trade Size*                                      | RQT (Grey) Part Number | RQT (Black) Part Number | Smallest Inner-Ø Ø I | Outer-Ø Ø B | Length of Thread D | Packet/Pieces | Weight kg/100 p. Approx. |
|--------------------------------------------------|------------------------|-------------------------|----------------------|-------------|--------------------|---------------|--------------------------|
| 3 x <b>0.39</b><br>10.0                          | 2-796281-1             | 796281-8                | 7.0                  | 17.5        | 46.5               | 10            | 0.60                     |
| 3 x <b>0.51</b><br>13.0                          | 2-796281-2             | 796281-1                | 10.0                 | 21.0        | 51.0               | 10            | 0.80                     |
| 3 x <b>0.62</b><br>15.8                          | 2-796281-3             | 796281-2                | 14.0                 | 25.0        | 63.0               | 10            | 1.40                     |
| 3 x <b>0.72</b><br>18.5                          | 2-796281-4             | 796281-9                | 15.0                 | 26.5        | 70.5               | 10            | 1.60                     |
| 3 x <b>0.83</b><br>21.2                          | 2-796281-5             | 796281-3                | 18.0                 | 29.5        | 71.0               | 10            | 1.80                     |
| 2 x <b>0.83</b> / 1 x <b>1.12</b><br>21.2 / 28.5 | 2-796281-6             | 796281-4                | 18.0                 | 32.0        | 78.0               | 10            | 2.80                     |
| 2 x <b>1.12</b> / 1 x <b>1.12</b><br>28.5 / 15.8 | 2-796281-7             | 1-796281-0              | 25.5                 | 36.5        | 65.0               | 10            | 2.50                     |
| 3 x <b>1.12</b><br>28.5                          | 2-796281-8             | 796281-5                | 25.5                 | 36.5        | 77.0               | 10            | 2.70                     |
| 2 x <b>1.12</b> / 1 x <b>1.35</b><br>28.5 / 34.5 | 2-796281-9             | 796281-6                | 25.5                 | 36.5        | 83.5               | 10            | 2.90                     |
| 3 x <b>1.35</b><br>34.5                          | 3-796281-0             | 796281-7                | 31.5                 | 42.5        | 85.0               | 10            | 4.00                     |
| 3 x <b>1.35</b><br>42.5                          | 3-796281-1             | 1-796281-1              | 39.7                 | 52.5        | 96.0               | 10            | 6.00                     |

\*Advice: For appropriate tubing/screw connecting combinations choose the same trade size AD (tubing outer-Ø).

**Performance Characteristics**

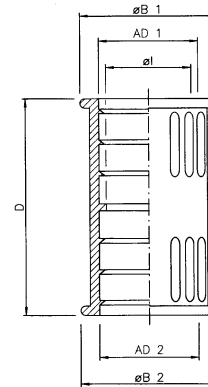
Plastic Coupling.

**Material**

Plastic.

**Corrugated Plastic Tubing Connections (Continued)**

**RQK  
(IP 67)**



| Trade Size*             | RQK (Grey) Part Number | RQK (Black) Part Number | Smallest Inner-Ø Ø I | Outer-Ø Ø B | Length of Thread D | Packet/Pieces | Weight kg/100 p. Approx. |
|-------------------------|------------------------|-------------------------|----------------------|-------------|--------------------|---------------|--------------------------|
| 2 x <b>0.39</b><br>10.0 | 2-796282-1             | 796282-8                | 7.0                  | 17.5        | 33.5               | 10            | 0.25                     |
| 2 x <b>0.51</b><br>13.0 | 2-796282-2             | 796282-1                | 10.0                 | 20.0        | 36.5               | 10            | 0.30                     |
| 2 x <b>0.62</b><br>15.8 | 2-796282-3             | 796282-2                | 12.5                 | 23.0        | 44.5               | 10            | 0.50                     |
| 2 x <b>0.72</b><br>18.5 | 2-796282-4             | 796282-9                | 15.0                 | 26.5        | 48.0               | 10            | 0.60                     |
| 2 x <b>0.83</b><br>21.2 | 2-796282-5             | 796282-3                | 18.0                 | 29.5        | 46.0               | 10            | 0.80                     |
| 2 x <b>1.12</b><br>28.5 | 2-796282-6             | 796282-4                | 25.2                 | 36.5        | 46.0               | 10            | 1.00                     |
| 2 x <b>1.36</b><br>34.5 | 2-796282-7             | 796282-5                | 31.5                 | 42.5        | 48.0               | 10            | 1.50                     |
| 2 x <b>1.67</b><br>42.5 | 2-796282-8             | 796282-6                | 39.5                 | 51.0        | 49.0               | 10            | 2.00                     |
| 2 x <b>2.15</b><br>54.5 | 2-796282-9             | 796282-7                | 51.5                 | 63.0        | 54.5               | 10            | 2.70                     |

**\*Advice:** For appropriate tubing/screw connecting combinations choose the same trade size AD (tubing outer-Ø).

**Corrugated Plastic Tubing Connections (Continued)**

**Performance Characteristics**

One-piece plastic-Y- distributor for corrugated tubings.

**Construction**

Distributor case with 3 tubing connections as well as integrated snap-in sleeves and sealings.

**Material**

High-quality impact resistant plastic material (PA).

Sealing: Santoprene®

**Easy to assemble**

Easy to assemble due to one-piece screw connection with push-in lock. Simple disconnect by displacing the snap-in sleeve. Smallest outer dimensions to be used under confined conditions.

Smallest inner-Ø I ≥ tubing inside diameter.

**Protective system**

IP 67 acc. EN 60529

**Temperature range**

From approx. -30°C up to approx. +100°C.

**Application**

For expert assembly as protective insulating distributor suited acc. to the application rules of DIN EN 60204 in the machine and plant construction.

**Color**

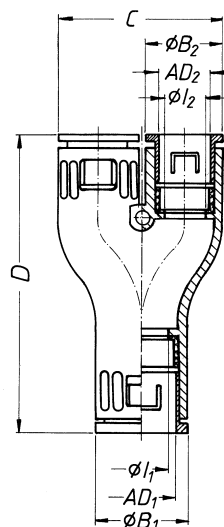
Grey and black

**For tubing type**

Corrugated tubing, type:

ROHRflex

**RQY  
(IP 67)**



| Trade Size*<br>Tubing<br>Outer-Ø<br>AD <sub>2</sub> /AD <sub>1</sub> | RQY<br>(Grey)<br>Part<br>Number | RQY<br>(Black)<br>Part<br>Number | Through-<br>Passage |                  | Outer-Ø          |                  | Total<br>Length<br>D | Total<br>Width<br>C | Packet/<br>Pieces | Weight<br>kg/100 p.<br>Approx. |
|----------------------------------------------------------------------|---------------------------------|----------------------------------|---------------------|------------------|------------------|------------------|----------------------|---------------------|-------------------|--------------------------------|
|                                                                      |                                 |                                  | Ø I <sub>1</sub>    | Ø I <sub>2</sub> | Ø B <sub>1</sub> | Ø B <sub>2</sub> |                      |                     |                   |                                |
| <b>0.39/0.51</b><br>2x10.0/1x13.0                                    | 969840-1                        | 969839-1                         | 10.0                | 7.0              | 20.0             | 17.0             | 63.0                 | 36.0                | 10                | 1.60                           |
| <b>0.51</b><br>3x13.0                                                | 969840-2                        | 969839-2                         | 10.0                | 10.0             | 20.0             | 20.0             | 65.0                 | 43.0                | 10                | 1.80                           |
| <b>0.51/0.62</b><br>2x13.0/1x15.8                                    | 969840-3                        | 969839-3                         | 12.5                | 10.0             | 23.0             | 20.0             | 66.0                 | 45.0                | 10                | 2.00                           |
| <b>0.62</b><br>3x15.8                                                | 969840-4                        | 969839-4                         | 12.5                | 12.5             | 23.0             | 23.0             | 68.0                 | 46.0                | 10                | 2.20                           |

**\*Advice: For appropriate tubing/screw connecting combinations choose the same trade size AD (tubing outer-Ø).**

**Performance Characteristics**

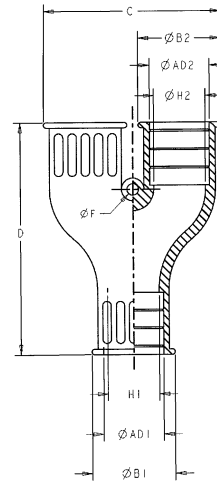
Y Distributor, One Piece.

**Material**

TPE

**RQY  
(IP 67)**

**Corrugated Plastic Tubing Connections (Continued)**



| Trade Size*<br>Tubing<br>Outer-Ø<br>AD2/AD1 | RQY<br>(Grey)<br>Part<br>Number | RQY<br>(Black)<br>Part<br>Number | Through-<br>Passage |                  | Outer-Ø          |                  | Total<br>Length<br>D | Total<br>Width<br>C | $\varnothing F$ | Packet/<br>Pieces | Weight<br>kg/100 p.<br>Approx. |
|---------------------------------------------|---------------------------------|----------------------------------|---------------------|------------------|------------------|------------------|----------------------|---------------------|-----------------|-------------------|--------------------------------|
|                                             |                                 |                                  | $\varnothing H1$    | $\varnothing H2$ | $\varnothing B1$ | $\varnothing B2$ |                      |                     |                 |                   |                                |
| <b>0.39</b><br>3x10.0                       | 2-796550-1                      | 796550-1                         | 9.5                 | 9.5              | 17.5             | 17.5             | 54.5                 | 36.5                | 4               | 10                | 0.90                           |
| <b>0.62/0.83</b><br>2x15.8/1x21.2           | 2-796550-2                      | 796550-2                         | 18.0                | 14.0             | 29.5             | 25.0             | 75.0                 | 52.0                | 4               | 10                | 2.50                           |
| <b>0.62/1.12</b><br>2x15.8/1x28.5           | 2-796550-3                      | 796550-3                         | 25.5                | 14.0             | 36.5             | 25.0             | 75.0                 | 52.0                | 4               | 10                | 2.80                           |
| <b>0.73</b><br>3x18.5                       | 2-796550-4                      | 796550-4                         | 15.0                | 15.0             | 26.5             | 26.5             | 81.0                 | 54.5                | 4               | 10                | 2.60                           |
| <b>0.83</b><br>3x21.2                       | 2-796550-5                      | 796550-5                         | 18.0                | 18.0             | 29.5             | 29.5             | 82.5                 | 62.5                | 4               | 10                | 2.70                           |
| <b>0.83/1.12</b><br>2x21.2/1x28.5           | 2-796550-6                      | 796550-6                         | 25.5                | 18.0             | 36.5             | 29.5             | 68.0                 | 60.5                | 4               | 10                | 3.40                           |
| <b>1.12/1.35</b><br>2x28.5/1x34.5           | 2-796550-7                      | 796550-7                         | 31.5                | 25.5             | 42.5             | 36.5             | 86.0                 | 77.0                | 4               | 10                | 5.00                           |
| <b>1.35/1.67</b><br>2x34.5/1x42.5           | 2-796550-8                      | 796550-8                         | 39.7                | 31.5             | 52.5             | 42.5             | 98.5                 | 89.0                | 4               | 10                | 6.00                           |
| <b>1.67/2.14</b><br>2x42.5/1x54.5           | 2-796550-9                      | 796550-9                         | 52.0                | 39.7             | 65.0             | 52.5             | 116.0                | 109.5               | 4               | 5                 | 8.50                           |

\*Advice: For appropriate tubing/screw connecting combinations choose the same trade size AD (tubing outer-Ø).

Flat-seal, to seal the connector body on the rigid steel conduit connecting thread acc. to DIN 40430, buna-N.

## Accessories

### FR-P



| FR-P Part No. | PG   | Inner (mm) | Outer (mm) | Height (mm) | Packet/ Pieces | Weight kg/ 100 p. Case |
|---------------|------|------------|------------|-------------|----------------|------------------------|
| 796257-1      | 7    | 12.0       | 16.5       | 1.60        | 50             | 0.03                   |
| 796257-2      | 9    | 15.0       | 19.0       | 1.60        | 50             | 0.05                   |
| 796257-7      | 11   | 18.0       | 23.0       | 1.80        | 50             | 0.06                   |
| 796257-3      | 13.5 | 19.5       | 25.0       | 1.80        | 50             | 0.07                   |
| 796257-8      | 16   | 21.5       | 27.0       | 1.80        | 50             | 0.08                   |
| 796257-9      | 21   | 27.5       | 34.0       | 2.20        | 25             | 0.13                   |
| 796257-4      | 29   | 35.5       | 44.0       | 2.20        | 25             | 0.19                   |
| 796257-5      | 36   | 46.5       | 55.5       | 2.70        | 25             | 0.27                   |
| 796257-6      | 48   | 58.5       | 69.5       | 3.20        | 10             | 0.46                   |

Flat-seal, to seal the connector body on the metric ISO connecting thread acc. to EN 60423, buna-N.

### FR-M



| FR-M Part No. | Metric  | Inner (mm) | Outer (mm) | Height (mm) | Packet/ Pieces | Weight kg/ 100 p. Case |
|---------------|---------|------------|------------|-------------|----------------|------------------------|
| 796256-1      | M10x1.0 | 10.0       | 17.0       | 1.60        | 50             | 0.03                   |
| 796256-2      | M12x1.5 | 12.0       | 20.0       | 1.60        | 50             | 0.05                   |
| 796256-3      | M16x1.5 | 16.0       | 23.0       | 1.80        | 50             | 0.06                   |
| 796256-4      | M20x1.5 | 20.0       | 29.0       | 1.80        | 50             | 0.07                   |
| 796256-5      | M25x1.5 | 25.0       | 37.0       | 1.80        | 50             | 0.08                   |
| 796256-6      | M32x1.5 | 32.0       | 44.0       | 2.20        | 25             | 0.13                   |
| 796256-7      | M40x1.5 | 40.0       | 52.0       | 2.10        | 25             | 0.19                   |
| 796256-8      | M50x1.5 | 50.0       | 64.0       | 2.70        | 25             | 0.27                   |
| 796256-9      | M63x1.5 | 63.0       | 68.0       | 3.20        | 10             | 0.46                   |

Flat-seal, to seal the connector body on the UNEF-inner thread.

## Accessories (Continued)

### FR-U



| FR-U Part No. | UNEF    | NPT | CTG | Whitworth | Inner (mm) | Outer (mm) | Height (mm) | Packet/Pieces | Weight kg/100 p. Case |
|---------------|---------|-----|-----|-----------|------------|------------|-------------|---------------|-----------------------|
| 796258-1      | 1/2"    | —   | —   | —         | 9.0        | 12.0       | 1.60        | 50            | 0.025                 |
| 796258-2      | 5/8"    | —   | —   | —         | 11.0       | 15.0       | 1.60        | 50            | 0.030                 |
| 796258-3      | 3/4"    | —   | —   | —         | 13.0       | 18.0       | 1.60        | 50            | 0.035                 |
| 796258-4      | 7/8"    | —   | —   | —         | 16.0       | 21.0       | 1.80        | 50            | 0.055                 |
| 796256-3      | 1"      | —   | —   | —         | 16.0       | 23.0       | 1.80        | 50            | 0.060                 |
| 796256-4      | 1 3/16" | —   | —   | —         | 20.0       | 29.0       | 1.80        | 50            | 0.070                 |
| 796257-9      | 1 3/8"  | —   | —   | —         | 27.5       | 34.0       | 2.20        | 25            | 0.130                 |
| 796258-5      | 1 7/16" | —   | —   | —         | 30.0       | 35.5       | 2.20        | 25            | 0.140                 |
| 796258-6      | 1 3/4"  | 1"  | G28 | 1"        | 34.0       | 43.0       | 2.20        | 25            | 0.190                 |
| 796258-7      | 2"      | —   | —   | —         | 40.0       | 49.0       | 2.20        | 25            | 0.230                 |

Flat-seal, to seal the connector body on the NPT-Thread/CTG thread acc. to JIS B 0204 or Whitworth-thread acc. to DIN ISO 228-1.

### FR-N/C



| FR-N/C Part No. | NPT    | CTG | Whitworth | Inner (mm) | Outer (mm) | Height (mm) | Packet/Pieces | Weight kg/100 p. Case |
|-----------------|--------|-----|-----------|------------|------------|-------------|---------------|-----------------------|
| 796255-1        | 1/4"   | —   | 1/4"      | 14.0       | 17.0       | 1.60        | 50            | 0.03                  |
| 796255-2        | 3/8"   | —   | 3/8"      | 18.0       | 23.0       | 1.80        | 50            | 0.06                  |
| 796255-3        | 1/2"   | G16 | 1/2"      | 21.5       | 27.0       | 1.80        | 50            | 0.08                  |
| 796255-4        | 3/4"   | G22 | 3/4"      | 27.5       | 34.0       | 2.20        | 25            | 0.13                  |
| 796258-6        | 1"     | G28 | 1"        | 34.0       | 43.0       | 2.20        | 25            | 0.19                  |
| 796255-6        | 1 1/4" | G36 | 1 1/4"    | 42.5       | 51.0       | 2.70        | 25            | 0.24                  |
| 796255-7        | 1 1/2" | —   | 1 1/2"    | 48.5       | 55.0       | 2.70        | 25            | 0.27                  |
| 796255-8        | 2"     | G54 | 2"        | 60.5       | 66.0       | 3.20        | 10            | 0.42                  |

O-ring to seal the connector body on the rigid steel conduit connecting thread acc. to DIN 40430.

**OR-P**



| OR-P Part No. | PG Thread | Inner | Ring Thickness | Packet/Pieces | Weight kg/ 100 p. Case |
|---------------|-----------|-------|----------------|---------------|------------------------|
| 796259-1      | 7         | 10.8  | 1.5            | 50            | 0.03                   |
| 796259-2      | 9         | 12.5  | 1.8            | 50            | 0.05                   |
| 796259-3      | 11        | 16.0  | 1.8            | 50            | 0.06                   |
| 796259-4      | 13.5      | 18.0  | 1.8            | 50            | 0.07                   |
| 796259-5      | 16        | 20.0  | 2.0            | 50            | 0.08                   |
| 796259-6      | 21        | 26.0  | 2.0            | 25            | 0.13                   |
| 796259-7      | 29        | 34.0  | 2.0            | 25            | 0.19                   |
| 796259-8      | 36        | 44.0  | 2.5            | 25            | 0.27                   |
| 796259-9      | 48        | 55.0  | 2.5            | 10            | 0.46                   |

Counternut, nickel plated brass, rigid steel conduit connecting thread acc. to DIN 40430.

**GM-P**



| GM-P Part No. | PG Thread | Wrench Size Across Flats | Thickness | Packet/Pieces | Weight kg/ 100 p. Case |
|---------------|-----------|--------------------------|-----------|---------------|------------------------|
| 796261-1      | 7         | 15.0                     | 2.8       | 100           | 0.18                   |
| 796261-2      | 9         | 18.0                     | 2.8       | 100           | 0.24                   |
| 796261-3      | 11        | 21.0                     | 3.0       | 100           | 0.30                   |
| 796261-4      | 13.5      | 23.0                     | 3.0       | 100           | 0.35                   |
| 796261-5      | 16        | 26.0                     | 3.0       | 100           | 0.48                   |
| 796261-6      | 21        | 32.0                     | 3.5       | 100           | 0.80                   |
| 796261-7      | 29        | 41.0                     | 4.0       | 100           | 1.35                   |
| 796261-8      | 36        | 51.0                     | 5.0       | 50            | 2.14                   |
| 796261-9      | 48        | 64.0                     | 5.5       | 25            | 3.35                   |

Counternut, nickel plated brass, metric ISO thread EN 60423.

**GM-M**



| (Grey) Part No. | (Black) Part No. | Thread EN 60423 | Wrench Size Across Flats | Thickness | Packet/Pieces | Weight kg/ 100 p. Case |
|-----------------|------------------|-----------------|--------------------------|-----------|---------------|------------------------|
| 2-796368-1      | 796368-1         | M10 x 1.0       | 14.0                     | 5.0       | 100           | 0.11                   |
| 2-796368-2      | 796368-2         | M12 x 1.5       | 17.0                     | 5.0       | 100           | 0.12                   |
| 2-796368-3      | 796368-3         | M16 x 1.5       | 22.0                     | 5.0       | 100           | 0.14                   |
| 2-796368-4      | 796368-4         | M20 x 1.5       | 26.0                     | 6.0       | 100           | 0.21                   |
| 2-796368-5      | 796368-5         | M25 x 1.5       | 32.0                     | 6.0       | 100           | 0.30                   |
| 2-796368-6      | 796368-6         | M32 x 1.5       | 41.0                     | 7.0       | 100           | 0.57                   |
| 2-796368-7      | 796368-7         | M40 x 1.5       | 50.0                     | 7.0       | 50            | 0.75                   |
| 2-796368-8      | 796368-8         | M50 x 1.5       | 60.0                     | 8.0       | 25            | 1.21                   |
| 2-796368-9      | 796368-9         | M63 x 1.5       | 75.0                     | 8.0       | 10            | 1.28                   |

Counternut, plastic (PA), rigid steel conduit connecting thread acc. to DIN 40430.

## Accessories (Continued)

### GMK-P



| GMK-P<br>(Grey)<br>Part No. | GMK-P<br>(Black)<br>Part No. | PG<br>Thread | Wrench Size<br>Across<br>Flats | Thickness | Packet/<br>Pieces | Weight kg/<br>100 p.<br>Case |
|-----------------------------|------------------------------|--------------|--------------------------------|-----------|-------------------|------------------------------|
| 796260-1                    | 2-796260-1                   | 7            | 19.0                           | 5.0       | 100               | 0.12                         |
| 796260-2                    | 2-796260-2                   | 9            | 22.0                           | 5.0       | 100               | 0.13                         |
| 796260-3                    | 2-796260-3                   | 11           | 24.0                           | 5.0       | 100               | 0.14                         |
| 796260-4                    | 2-796260-4                   | 13.5         | 27.0                           | 6.0       | 100               | 0.19                         |
| 796260-5                    | 2-796260-5                   | 16           | 30.0                           | 6.0       | 100               | 0.25                         |
| 796260-6                    | 2-796260-6                   | 21           | 36.0                           | 7.0       | 100               | 0.34                         |
| 796260-7                    | 2-796260-7                   | 29           | 46.0                           | 7.0       | 100               | 0.51                         |
| 796260-8                    | 2-796260-8                   | 36           | 60.0                           | 8.0       | 50                | 1.16                         |
| 796260-9                    | 2-796260-9                   | 48           | 70.0                           | 8.0       | 25                | 1.28                         |

Counternut, plastic (PA), NPT-Thread.

### GMK-N



| GMK-N<br>Part No. | NPT  | Wrench Size<br>Across<br>Flats | Thickness | Packet/<br>Pieces | Weight kg/<br>100 p.<br>Case |
|-------------------|------|--------------------------------|-----------|-------------------|------------------------------|
| 796262-1          | 3/8" | 24.0                           | 5.0       | 100               | 0.20                         |
| 796262-2          | 1/2" | 27.0                           | 6.0       | 100               | 0.24                         |
| 796262-3          | 3/4" | 30.0                           | 6.0       | 100               | 0.30                         |

Counternut, nickel plated brass, NPT-Thread.

### GM-N



| GM-N<br>Part No. | NPT    | Wrench Size<br>Across<br>Flats | Thickness | Packet/<br>Pieces | Weight kg/<br>100 p.<br>Case |
|------------------|--------|--------------------------------|-----------|-------------------|------------------------------|
| 796473-1         | 3/8"   | 20.0                           | 3.0       | 100               | 0.34                         |
| 796473-2         | 1/2"   | 24.0                           | 3.0       | 100               | 0.42                         |
| 796473-3         | 3/4"   | 30.0                           | 3.5       | 100               | 0.74                         |
| 796473-4         | 1"     | 38.0                           | 4.0       | 100               | 1.54                         |
| 796473-5         | 1 1/4" | 46.0                           | 5.0       | 100               | 2.00                         |
| 796473-6         | 1 1/2" | 51.0                           | 5.0       | 100               | 2.00                         |
| 796473-7         | 2"     | 64.0                           | 5.5       | 50                | 3.51                         |



### Performance Characteristics

End cap from tubing to cable made of plastic for tubings.

### Construction

One-piece end cap as transition from tubing to cable resp. as final end of tubing. Fixed by inside circulating ribs when pushed on the tubing.

### Material

High-quality plastic Santoprene® thermoplastic elastomers or plastic.

### Easy to assemble

Assembled by just putting in tubing end.

### Protective System

IP 67 acc. EN 60529

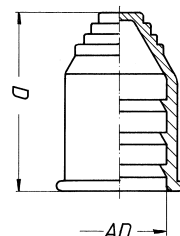
### Temperature range

From approx. -40°C up to approx. +120°C, temporarily withstands temperatures up to approx. +150°C.

### Color

Grey and black

### RQE (IP 67)



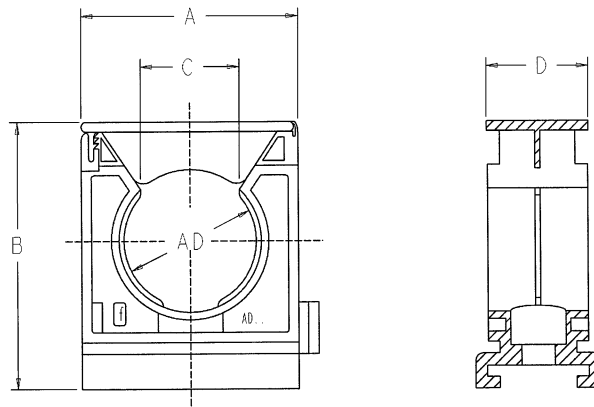
| Trade Size**<br>Tubing Outer Ø<br>AD | RQE<br>(Grey)<br>Part No. | RQE<br>(Black)<br>Part No. | For Cable Cross<br>Section<br>Ø Min. - Ø Max. | Total<br>Length<br>D | Packet/<br>Pieces | Weight kg/<br>100 p.<br>Case |
|--------------------------------------|---------------------------|----------------------------|-----------------------------------------------|----------------------|-------------------|------------------------------|
| <b>0.39</b><br>10.0                  | <b>5030012007*</b>        | 969847-1                   | 1.0 - 8.0                                     | 29.0                 | 50                | 0.20                         |
| <b>0.51</b><br>13.0                  | 969848-2                  | 969847-2                   | 1.0 - 10.0                                    | 32.5                 | 50                | 0.30                         |
| <b>0.62</b><br>15.8                  | 969848-3                  | 969847-3                   | 4.0 - 12.0                                    | 36.5                 | 50                | 0.40                         |
| <b>0.72</b><br>18.5                  | <b>5030012013*</b>        | <b>5030012213*</b>         | 4.0 - 13.0                                    | 37.5                 | 50                | 0.50                         |
| <b>0.83</b><br>21.2                  | 969848-4                  | 969847-4                   | 6.0 - 16.5                                    | 37.5                 | 50                | 0.60                         |
| <b>1.12</b><br>28.5                  | 969848-5                  | 969847-5                   | 6.0 - 23.0                                    | 40.2                 | 25                | 0.75                         |
| <b>1.35</b><br>34.5                  | 969848-6                  | 969847-6                   | 6.0 - 29.0                                    | 44.2                 | 25                | 0.90                         |
| <b>1.67</b><br>42.5                  | <b>5030012036*</b>        | <b>5030012236*</b>         | 10.0 - 37.0                                   | 46.0                 | 25                | 1.20                         |

\*Part No. on inquiry.

\*\*Advice: For appropriate tubing/screw connecting combinations choose the same trade size AD (tubing outer-Ø).

**Accessories** (Continued)

**Tubing Clamp**



| Trade Size*<br>Tubing Outer Ø<br>AD | (Grey)<br>Part No. | (Black)<br>Part No. | Dimension |       |      |      | Fastening<br>Bore Hole<br>Ø | Packet/<br>Pieces | Weight kg/<br>100 p.<br>Case |
|-------------------------------------|--------------------|---------------------|-----------|-------|------|------|-----------------------------|-------------------|------------------------------|
|                                     |                    |                     | A         | B     | C    | D    |                             |                   |                              |
| <b>0.39</b><br>10.0                 | 796372-1           | 796369-1            | 21.67     | 26.67 | 8.0  | 20.0 | 4.5                         | 50                | 0.69                         |
| <b>0.51</b><br>13.0                 | 796372-2           | 796369-2            | 26.00     | 32.00 | 8.5  | 20.0 | 5.5                         | 50                | 0.93                         |
| <b>0.62</b><br>15.8                 | 796372-3           | 796369-3            | 26.00     | 32.00 | 10.0 | 20.0 | 5.5                         | 50                | 0.85                         |
| <b>0.70</b><br>17.8                 | 796372-4           | 796369-4            | 32.50     | 40.00 | 12.5 | 20.0 | 5.5                         | 50                | 1.20                         |
| <b>0.72</b><br>18.5                 | 796372-5           | 796369-5            | 32.50     | 40.00 | 12.5 | 20.0 | 5.5                         | 50                | 1.20                         |
| <b>0.83</b><br>21.2                 | 796372-6           | 796369-6            | 32.50     | 40.00 | 16.6 | 20.0 | 6.6                         | 50                | 1.20                         |
| <b>0.86</b><br>21.8                 | 796372-7           | 796369-7            | 32.50     | 40.00 | 16.6 | 20.0 | 6.6                         | 50                | 1.20                         |
| <b>1.12</b><br>28.5                 | 796372-8           | 796369-8            | 43.33     | 53.34 | 20.0 | 20.0 | 6.6                         | 25                | 1.70                         |
| <b>1.35</b><br>34.5                 | 796372-9           | 796369-9            | 43.33     | 53.34 | 25.0 | 20.0 | 6.6                         | 25                | 1.70                         |
| <b>1.67</b><br>42.5                 | 1-796372-0         | 1-796369-0          | 65.00     | 80.00 | 30.0 | 20.0 | 6.6                         | 25                | 3.20                         |
| <b>2.14</b><br>54.5                 | 1-796372-1         | 1-796369-1          | 65.00     | 80.00 | 38.0 | 20.0 | 6.6                         | 10                | 2.90                         |

\*Advice: For appropriate tubing/screw connecting combinations choose the same trade size AD (tubing outer-Ø).

### Bell Fitting Driver

Useful hand tool for inserting connectors into conduits or tubing.



| Bell Fitting Driver Part Number | For Thread PG |
|---------------------------------|---------------|
| 1-241109-1                      | 7 - 16        |
| 1-241109-2                      | 21 - 48       |



### ROHRflex-Shears

Special shears for cutting of **ROHRflex** corrugated plastic tubing on pages 6-9.



| Trade Size* AD         | ROHRflex®-Shears Part Number | Cutting Wrench for Thread Size |
|------------------------|------------------------------|--------------------------------|
| 0.39-0.83<br>10.0-21.2 | 969849-1                     | PG 7 - PG 16                   |
| 1.00-1.35<br>25.5-34.5 | 969849-2                     | PG 21 - PG 29                  |
| 1.35<br>34.5           | 969849-3                     | PG 29                          |

\*Advice: For appropriate tubing/screw connecting combinations choose the same trade size AD (tubing outer-Ø).

### Mini Disc Saw (Customer Supplied)

For cutting and trimming of protective metal conduits type SPR- or FLEXAgraff on pages 40-44.

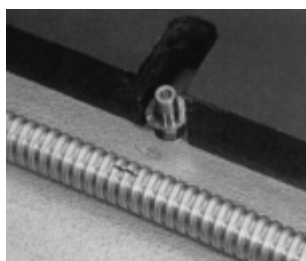
**Disc Saw** — .5 to .6 [12 to 15] diameter, with carbide tipped teeth

**Number of Teeth** — 25 on copper disc; 50 on steel disc

**Disc Speed** — Approx. 40,000 rpm

**Drive** — Pneumatic or electric

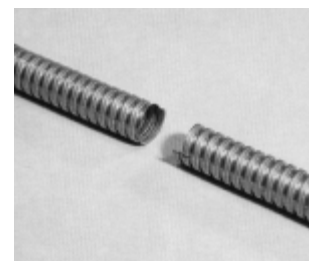
Disc saw and accessories available on request.



Cut longitudinally across two hose covering segments



Unscrew the coils

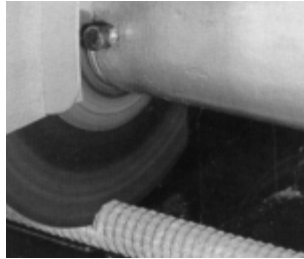


The result is a clean cut

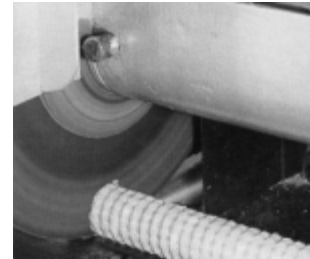
**Application Tooling** (Continued)

**Cutting Disc  
(Customer Supplied)**

For cutting of protective braided metal conduits on page 41.



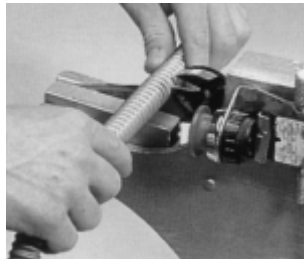
Position conduit below and at right-angle to the cutting disc.



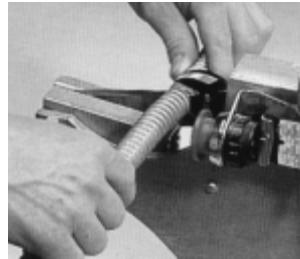
Lightly cut through the conduit for clean ends.

**Pneumatic Cutting Pliers  
(Customer Supplied)**

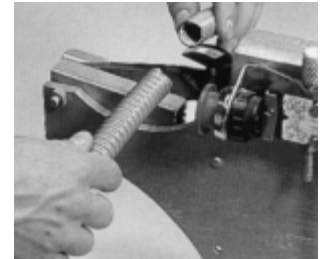
For cutting of protective plastic conduits with helix on page 45.



Cut into the plastic sheathing



Cut through the helix with pliers



The result is a clean and finished cut of the conduit

**Band Saw  
(Customer Supplied)**

For cutting and trimming of most types of conduits.

**Band Saw** — .16 to .2 [4 to 5] wide, .02 to .03 [0.6 to 0.8] thick, 24 teeth, used at a high cutting speed



Position conduit at right-angle to band saw



Lightly cut through conduit



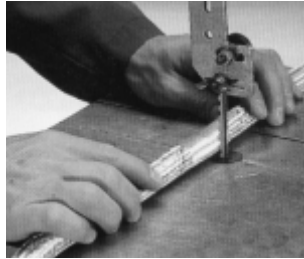
Conduit ends are clean and ready for use

**Application Tooling** (Continued)

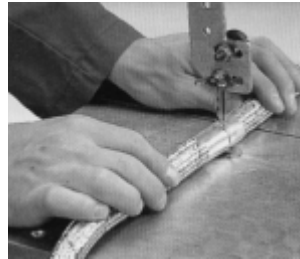
**Band Saw**  
(Customer Supplied)

(Continued)

For cutting of braided metal conduits on page 41.



Wrap conduit with metal adhesive tape two or three times at the cutting position.



Position conduit at right-angle to the band saw and lightly cut through the conduit.



Conduit ends should be clean without fraying, due to adhesive tape wrapping.

**Shears and Snips**  
(Customer Supplied)

For cutting of protective plastic conduits on page 45.



Cut through the plastic sheathing.



Bend the conduit and cut through the steel helix.

**Hand Saw**  
(Customer Supplied)

For small quantities, conduits can be easily cut with a hand saw. The result should be just as good as with a band saw.



Lightly and squarely cut through the conduit

## Performance Characteristics

Protective metal conduit, galvanized steel, round, profile: double-overlapped. VDE-reg.-no. 9375 (approved acc. to DIN VDE 57605, marking AS)

## Construction

Strip wound flexible metallic conduit with double overlapped profile, round cross section.

## Material

Cold strip St 2 acc. DIN 1624, galvanized, Fe/Zn 3, or rust proof steel.

## Properties

Due to the double overlapped profile the conduit provides a high tensile and twisting strength and it better prevents untwisting of the conduit, very flexible, high shielding factor.

## Protective system

IP 40 acc. EN 60529

## Temperature range

Up to approx. +400°C

## Application

Electrical installation conduit for installations requiring high stretching and twisting strain. A.o. protective conduit for oil ducts in the shipbuilding industry and for hydraulic and pneumatic conduits.

## Connections

Appropriate FLEXA-conduit screw connections with rigid steel conduit connecting thread PG DIN 40430 and metric ISO thread acc. EN 60423, suitable for using in Ex-areas Zone 1 and 2 acc. VDE 0165. Especially suitable acc. to the specifications of EN 60204: Type US- and Type USW-.

## Delivery lengths

25-50m depending on dimension, straightly measured.

Suitable for using in Ex-areas Zone 1 and 2 acc. VDE 0165.

## Related Product Data

Application Tooling — Page 37

## Protective Metal Conduits

### FLEXAgraff -AS (IP 40)



| Trade Size**<br>Conduit Outer-Ø<br>AD | Dimension<br>Inner-Ø x Outer-Ø<br>mm Approx. | FLEXAgraff<br>Part<br>Number | Bending<br>Radius<br>mm ±10% | Weight<br>kg/m ±10% | Minimum<br>Package<br>Size* | Size<br>in Ft. |
|---------------------------------------|----------------------------------------------|------------------------------|------------------------------|---------------------|-----------------------------|----------------|
| 0.39<br>10.0                          | 8 x 10                                       | 969784-1                     | 40                           | 0.120               | 50m                         | 164'           |
| 0.55<br>14.0                          | 12 x 14                                      | 969784-2                     | 45                           | 0.130               | 50m                         | 164'           |
| 0.67<br>17.0                          | 14 x 17                                      | 969784-3                     | 60                           | 0.250               | 50m                         | 164'           |
| 0.75<br>19.0                          | 16 x 19                                      | 969784-4                     | 63                           | 0.280               | 50m                         | 164'           |
| 0.83<br>21.0                          | 18 x 21                                      | 969784-5                     | 70                           | 0.300               | 50m                         | 164'           |
| 1.06<br>27.0                          | 24 x 27                                      | 969784-6                     | 90                           | 0.390               | 50m                         | 164'           |
| 1.42<br>36.0                          | 31 x 36                                      | 969784-7                     | 130                          | 0.750               | 25m                         | 82'            |
| 1.77<br>45.0                          | 40 x 45                                      | 969784-8                     | 170                          | 0.950               | 25m                         | 82'            |
| 2.20<br>56.0                          | 51 x 56                                      | 969784-9                     | 220                          | 1.200               | 25m                         | 82'            |

\*20 Rings of specified length.

\*\*Advice: For appropriate tubing/screw connecting combinations choose the same trade size AD (tubing outer-Ø).

Notes: 1. Ask for other dimensions.

2. For quantities less than minimums, contact Tyco Electronics.

## Performance Characteristics

Protective metal conduit, galvanized steel, round, profile: double overlapped with CU-braiding for EMC protection up to 1000 MHz. The measurement of the coupling impedance acc. to DIN 47250 part 4 results in a minimum value of 227.6m Ω/m at 30 MHz. Acc. to DIN VDE 0245 the maximum coupling impedance amount to 250m Ω/m at 30 MHz.

## Construction

Strip wound flexible metallic conduit with double-overlapped profile, round cross section, with copper wire braiding.

## Material

1. Protective conduit: Cold strip ST 2 acc. DIN 1624, galvanized, Fe/Zn 3
2. Braiding: Copper, tinned

## Properties

Due to its double-folded profile the conduit provides a high tensile and twisting strength, no untwisting of the conduit, extremely flexible. Shielding factor up to 10 MHz acc. VG95373, part 41 up to 30 db, up to 1000 MHz acc. VDE 0877, part 2.02/85 up to 30 db.

## Protective system

IP 40 acc. EN 60529

## Temperature range

Up to approx. +150°C

## Application

Electrical installation conduit for installations requiring high stretching and twisting strain for EMC applications.

## Connections

Appropriate FLEXA-conduit screw connections with rigid steel conduit connecting thread PG DIN 40430 and metric ISO thread EN 60423 for mounting suitable acc. to EMC specifications. **Note: Use brass thrust collar for EMC-safe mounting.** For EMC-usage take note of assembly instruction. Especially suitable acc. to the specifications of EN 60204: Type US— and Type USW—.

## Delivery lengths

Full meter pieces beginning with 1 meter, straightly measured. Fixed lengths are being FLEXA-mounted with connecting elements acc. to EMC specifications. Note: To lessen noise the conduit can be braided several times. Suitable for using in Ex-areas Zone 1 and 2 acc. VDE 0165.

## Related Product Data

Application Tooling — Pages 37-39

## Protective Metal Conduits (Continued)

### FLEXA<sup>graff</sup>-CU (IP 40)



| Trade Size**<br>Conduit Outer-Ø<br>AD | Dimension<br>Inner-Ø x Outer-Ø<br>mm Approx. | FLEXA <sup>graff</sup><br>Part<br>Number | Bending<br>Radius<br>mm ±10% | Weight<br>kg/m ±10% | Minimum<br>Package<br>Size* |
|---------------------------------------|----------------------------------------------|------------------------------------------|------------------------------|---------------------|-----------------------------|
| 0.39<br>10.0                          | 7 x 10                                       | 969785-1                                 | 44                           | 0.130               | 50                          |
| 0.55<br>14.0                          | 11 x 14                                      | 969785-2                                 | 50                           | 0.164               | 50                          |
| 0.67<br>17.0                          | 13 x 17                                      | 969785-3                                 | 67                           | 0.290               | 50                          |
| 0.75<br>19.0                          | 15 x 19                                      | 969785-4                                 | 70                           | 0.330               | 50                          |
| 0.83<br>21.0                          | 17 x 21                                      | 969785-5                                 | 78                           | 0.350               | 50                          |
| 1.06<br>27.0                          | 23 x 27                                      | 969785-6                                 | 100                          | 0.460               | 50                          |
| 1.42<br>36.0                          | 29 x 36                                      | 969785-7                                 | 150                          | 0.860               | 25                          |
| 1.77<br>45.0                          | 38 x 45                                      | 969785-8                                 | 190                          | 1.100               | 25                          |
| 2.20<br>56.0                          | 49 x 56                                      | 969785-9                                 | 240                          | 1.420               | 25                          |

\*20 Rings of specified length.

**\*\*Advice: For appropriate tubing/screw connecting combinations choose the same trade size AD (tubing outer-Ø).**

**Notes:** 1. Full meter pieces beginning with 1 meter as fixed lengths deliverable.

2. For quantities less than minimums, contact Tyco Electronics.

## Performance Characteristics

Protective metal conduit, galvanized steel, round profile: double overlapped with oil resistant polyurethane sheathing VDE Reg.-No. 9967 (approved acc. to DIN VDE 57605, marking AS)

## Construction

Strip wound flexible metallic conduit with double overlapped profile, round cross section, with high-grade PU sheathing.

## Material

1. Protective conduit: Cold strip St 2 acc. DIN 1624, galvanized, Fe/Zn3.
2. Sheathing: Polyurethane (PU)

## Properties

Due to the double overlapped profile the conduit provides a high tensile and twisting strength, oil-, benzene-, and grease resistant, widely resistant to solvents acids, free of halogen, silicon and cadmium, outstanding qualities at low temperatures, no untwisting of the conduit, very flexible, high shielding, microbic resistant, flame resistant acc. to UL94V-O.

## Protective system

IP 68 acc. EN 60529

## Temperature range

From approx. -40°C up to +100°C

## Application

Electrical installation conduit for installations requiring high stretching and twisting strain as well as liquid-tight installations which have to be protected against oil, grease and benzene at high temperatures.

## Connections

Appropriate FLEXA-conduit screw connections with rigid steel conduit connecting thread PG DIN 40430 and metric ISO thread EN 60423. Especially suitable acc. to the specifications of EN 60204: Type US- and Type USW-.

## Color

Metallic Blue

## Delivery lengths

10, 25 and 50m depending on dimension, straightly measured.

## Related Product Data

Application Tooling — Page 37

## Protective Metal Conduits Liquid Tight

### FLEXAgraff-PU-AS (IP 68)



| Trade Size**<br>Hose Outer-Ø<br>AD | Dimension<br>Inner-Ø x Outer-Ø<br>mm Approx. | FLEXAgraff-<br>PU-AS<br>Part Number | Bending<br>Radius<br>mm ±10% | Weight<br>kg/m ±10% | Minimum<br>Package<br>Size* | Ring<br>Size<br>in Ft. |
|------------------------------------|----------------------------------------------|-------------------------------------|------------------------------|---------------------|-----------------------------|------------------------|
| 0.39<br>10.0                       | 7 x 10                                       | 969786-1                            | 44                           | 0.130               | 50m                         | 164'                   |
| 0.55<br>14.0                       | 11 x 14                                      | 969786-2                            | 50                           | 0.164               | 50m                         | 164'                   |
| 0.67<br>17.0                       | 13 x 17                                      | 969786-3                            | 67                           | 0.290               | 50m                         | 164'                   |
| 0.75<br>19.0                       | 15 x 19                                      | 969786-4                            | 70                           | 0.330               | 50m                         | 164'                   |
| 0.83<br>21.0                       | 17 x 21                                      | 969786-5                            | 78                           | 0.350               | 50m                         | 164'                   |
| 1.06<br>27.0                       | 23 x 27                                      | 969786-6                            | 100                          | 0.460               | 50m                         | 164'                   |
| 1.42<br>36.0                       | 29 x 36                                      | 969786-7                            | 150                          | 0.860               | 25m                         | 82'                    |
| 1.77<br>45.0                       | 38 x 45                                      | 969786-8                            | 190                          | 1.100               | 25m                         | 82'                    |
| 2.20<br>56.0                       | 49 x 56                                      | 969786-9                            | 240                          | 1.420               | 25m                         | 82'                    |

\*20 Rings of specified length.

\*\*Advice: For appropriate tubing/screw connecting combinations choose the same trade size AD (tubing outer-Ø).

Note: For quantities less than minimums, contact Tyco Electronics.

| Trade Size**<br>Hose Outer-Ø<br>AD | Dimension<br>Inner-Ø x Outer-Ø<br>mm Approx. | FLEXAgraff-<br>PU-AS<br>Part Number | Bending<br>Radius<br>mm ±10% | Weight<br>kg/m ±10% | Minimum<br>Package<br>Size* | Ring<br>Size<br>in Ft. |
|------------------------------------|----------------------------------------------|-------------------------------------|------------------------------|---------------------|-----------------------------|------------------------|
| 0.39<br>10.0                       | 7 x 10                                       | 1-969786-0                          | 44                           | 0.130               | 10m                         | 32'9                   |
| 0.55<br>14.0                       | 11 x 14                                      | 1-969786-1                          | 50                           | 0.164               | 10m                         | 32'9                   |
| 0.67<br>17.0                       | 13 x 17                                      | 1-969786-2                          | 67                           | 0.290               | 10m                         | 32'9                   |
| 0.75<br>19.0                       | 15 x 19                                      | 1-969786-3                          | 70                           | 0.330               | 10m                         | 32'9                   |
| 0.83<br>21.0                       | 17 x 21                                      | 1-969786-4                          | 78                           | 0.350               | 10m                         | 32'9                   |
| 1.06<br>27.0                       | 23 x 27                                      | 1-969786-5                          | 100                          | 0.460               | 10m                         | 32'9                   |
| 1.42<br>36.0                       | 29 x 36                                      | 1-969786-6                          | 150                          | 0.860               | 10m                         | 32'9                   |
| 1.77<br>45.0                       | 38 x 45                                      | 1-969786-7                          | 190                          | 1.100               | 10m                         | 32'9                   |
| 2.20<br>56.0                       | 49 x 56                                      | 1-969786-8                          | 240                          | 1.420               | 10m                         | 32'9                   |

\*20 Rings of specified length.

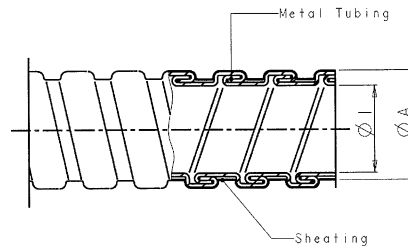
\*\*Advice: For appropriate tubing/screw connecting combinations choose the same trade size AD (tubing outer-Ø).

Note: For quantities less than minimums, contact Tyco Electronics.



**Protective Metal Conduits Liquid Tight (Continued)**

**FLEXAgraft-ME-ASF**



| Trade Size*<br>Conduit Outer-Ø<br>AD | Dimension<br>Inner-Ø x Outer-Ø<br>mm Approx. | FLEXAgraft-<br>ME-ASF<br>Part Number | Bending<br>Radius<br>mm | Weight<br>kg/m | Minimum<br>Package<br>Size |
|--------------------------------------|----------------------------------------------|--------------------------------------|-------------------------|----------------|----------------------------|
| <b>0.39</b><br>10.0                  | 7 x 10                                       | 969787-1                             | 44                      | 0.130          | 50m                        |
| <b>0.55</b><br>14.0                  | 11 x 14                                      | 969787-2                             | 50                      | 0.164          | 50m                        |
| <b>0.67</b><br>17.0                  | 13 x 17                                      | 969787-3                             | 67                      | 0.300          | 50m                        |
| <b>0.75</b><br>19.0                  | 15 x 19                                      | 969787-4                             | 70                      | 0.330          | 50m                        |
| <b>0.83</b><br>21.0                  | 17 x 21                                      | 969787-5                             | 78                      | 0.350          | 50m                        |
| <b>1.06</b><br>27.0                  | 23 x 27                                      | 969787-6                             | 100                     | 0.460          | 50m                        |
| <b>1.42</b><br>36.0                  | 29 x 36                                      | 969787-7                             | 150                     | 0.860          | 25m                        |
| <b>1.77</b><br>45.0                  | 38 x 45                                      | 969787-8                             | 190                     | 1.100          | 25m                        |
| <b>2.20</b><br>56.0                  | 49 x 56                                      | 969787-9                             | 240                     | 1.420          | 25m                        |

**\*Advice:** For appropriate tubing/screw connecting combinations choose the same trade size AD (tubing outer-Ø).

**Note:** For quantities less than minimums, contact Tyco Electronics.

### Performance Characteristics

Protective metal conduit, galvanized steel, round, with flame-resistant sheathing, non corrosive, low toxicity, low smoke gas density. Electrical installation conduit for heavy mechanical stresses, DIN 49012, structural shape H, approved according to DIN VDE 57605.

### Construction

Strip wound flexible metallic conduit with hooked profile, round cross section, polygonal profile, with flame-resistant Megolon® sheathing.

### Material

1. Protective conduit: Cold strip DC 03 acc. EN 10139, galvanized, Fe/Zn 3.
2. Sheathing: Flame-resistant Megolon® flame-resistant sheathing.

### Properties

Good tensile strength, withstands cross-pressure, halogen-, silicone- and cadmium free, ozone and UV resistant, hardly inflammable, self-extinguishing, low smoke gas evolution.

### Protective system:

IP 68 acc. EN 60529

### Temperature range

From approx. -15°C up to approx. +80°C

### Application

Electrical installation conduit for liquid-tight installations in fire risk areas as protection against fire effects, like corrosiveness, toxicity and smoke gas evolution.

### Connections

Appropriate FLEXA-conduit screw connections with rigid steel conduit connecting thread PG DIN 40430 and metric ISO thread EN 60423 see conduit screw connections. Especially suitable acc. to the specifications of EN 60204: Type US- and Type USW-.

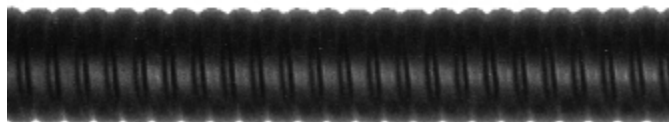
### Color

Black

### Delivery lengths

25 m and 50 m depending on dimension, straightly measured. Fixed lengths deliverable, cutting costs as per price list.

### SPR-ME-ASF (IP 68)



| Trade Size***<br>Conduit Outer-Ø<br>AD | Dimension<br>Inner-Ø x Outer-Ø<br>mm Approx. | SPR-ME-ASF<br>Part Number | Minimum<br>Quantity<br>m | Bending<br>Radius<br>mm ±10% | Weight<br>kg/m ±10% | Minimum<br>Package<br>Size* | Size<br>in Ft. |
|----------------------------------------|----------------------------------------------|---------------------------|--------------------------|------------------------------|---------------------|-----------------------------|----------------|
| 0.39<br>10.0                           | 7 x 10                                       | 2012412007**              | 500                      | 36                           | 0.085               | 50m                         | 164'           |
| 0.55<br>14.0                           | 10 x 14                                      | 2012412010**              | 500                      | 44                           | 0.135               | 50m                         | 164'           |
| 0.67<br>17.0                           | 13 x 17                                      | 2012412013**              | 500                      | 50                           | 0.170               | 50m                         | 164'           |
| 0.75<br>19.0                           | 15 x 19                                      | 2012412015**              | 500                      | 58                           | 0.200               | 50m                         | 164'           |
| 0.83<br>21.0                           | 17 x 21                                      | 2012412017**              | 500                      | 64                           | 0.220               | 50m                         | 164'           |
| 1.06<br>27.0                           | 22 x 27                                      | 2012412022**              | 250                      | 80                           | 0.340               | 50m                         | 164'           |
| 1.42<br>36.0                           | 29 x 36                                      | 2012412029**              | 250                      | 108                          | 0.620               | 25m                         | 82'            |
| 1.77<br>45.0                           | 38 x 45                                      | 2012412038**              | 250                      | 130                          | 0.820               | 25m                         | 82'            |
| 2.20<br>56.0                           | 49 x 56                                      | 2012412049**              | 250                      | 155                          | 0.970               | 25m                         | 82'            |

\*20 Rings of specified length.

\*\*Part No. on inquiry

\*\*\*Advice: For appropriate tubing/screw connecting combinations choose the same trade size AD (tubing outer-Ø).

Note: For quantities less than minimums, contact Tyco Electronics.

## Performance Characteristics

Protective plastic conduit with inside helix of PVC-sheathed spring steel wire, with oil resistant polyurethane jacket.

### Construction

Helical coiled corrugated plastic conduit with inside helix of plastic-sheathed spring steel wire and fixed high-grade plastic PU jacket.

### Material

High-quality Polyurethane (PU). Inside helix from plastic-sheathed spring steel wire.

### Properties

Extremely flexible, highly expandable and upsettable, air- and liquid-tight, high tenacity and abrasion resistance. Inside protection against corrosion from sheathed spring steel wire. Oil-, benzene- and grease resistant, widely resistant to solvents acids, free of halogen, silicon and cadmium, microbic resistant, outstanding qualities at low temperatures, flame resistant, UL94V-0.

### Protective system

IP 68 acc. EN 60529

### Temperature range

From approx. -40°C up to +100°C

### Application

Suitable for highly flexible and liquid-tight installations which have to be better protected against oil, grease and benzene at high temperatures.

### Connections

Appropriate FLEXA-conduit screw connections with rigid steel conduit connecting thread PG DIN 40430 and metric ISO thread EN 60423. Especially suitable acc. to the specifications of EN 60204: Type USK-, LKI-, LKID-, LKIW-F and LKIW- acc. to the required protective system.

### Color

Metallic blue.  
Special colors on inquiry.

### Delivery lengths

10, 25 and 50m depending on dimension, straightly measured by its own weight.

### Related Product Data

Application Tooling — Page 37 and 39

## AIRflex-KUW-PU (IP 68)



| Trade Size**<br>Conduit Outer-Ø<br>AD | Dimension<br>Inner-Ø x Outer-Ø<br>mm Approx. | AIRflex<br>KUW-PU<br>Part Number | Bending<br>Radius<br>mm ±10% | Weight<br>kg/m ±10% | Minimum<br>Package<br>Size* | Size<br>in Ft. |
|---------------------------------------|----------------------------------------------|----------------------------------|------------------------------|---------------------|-----------------------------|----------------|
| 0.39<br>10.0                          | 7 x 10                                       | 969788-1                         | 8                            | 0.070               | 50m                         | 164'           |
| 0.55<br>14.0                          | 10 x 14                                      | 969788-2                         | 10                           | 0.085               | 50m                         | 164'           |
| 0.67<br>17.0                          | 13 x 17                                      | 969788-3                         | 13                           | 0.130               | 50m                         | 164'           |
| 0.75<br>19.0                          | 15 x 19                                      | 969788-4                         | 15                           | 0.150               | 50m                         | 164'           |
| 0.83<br>21.0                          | 16 x 21                                      | 969788-5                         | 17                           | 0.210               | 50m                         | 164'           |
| 1.06<br>27.0                          | 22 x 27                                      | 969788-6                         | 20                           | 0.290               | 50m                         | 164'           |
| 1.42<br>36.0                          | 29 x 36                                      | 969788-7                         | 25                           | 0.440               | 25m                         | 82'            |
| 1.77<br>45.0                          | 38 x 45                                      | 969788-8                         | 36                           | 0.542               | 25m                         | 82'            |
| 2.20<br>56.0                          | 48 x 56                                      | 969788-9                         | 40                           | 0.875               | 25m                         | 82'            |

\*20 Rings of specified length.

**\*\*Advice: For appropriate tubing/screw connecting combinations choose the same trade size AD (tubing outer-Ø).**

**Note:** For quantities less than minimums, contact Tyco Electronics.

| Trade Size**<br>Conduit Outer-Ø<br>AD | Dimension<br>Inner-Ø x Outer-Ø<br>mm Approx. | AIRflex<br>KUW-PU<br>Part Number | Bending<br>Radius<br>mm ±10% | Weight<br>kg/m ±10% | Minimum<br>Package<br>Size* | Size<br>in Ft. |
|---------------------------------------|----------------------------------------------|----------------------------------|------------------------------|---------------------|-----------------------------|----------------|
| 0.39<br>10.0                          | 7 x 10                                       | 1-969788-0                       | 8                            | 0.070               | 10m                         | 32'            |
| 0.55<br>14.0                          | 10 x 14                                      | 1-969788-1                       | 10                           | 0.085               | 10m                         | 32'            |
| 0.67<br>17.0                          | 13 x 17                                      | 1-969788-2                       | 13                           | 0.130               | 10m                         | 32'            |
| 0.75<br>19.0                          | 15 x 19                                      | 1-969788-3                       | 15                           | 0.150               | 10m                         | 32'            |
| 0.83<br>21.0                          | 16 x 21                                      | 1-969788-4                       | 17                           | 0.210               | 10m                         | 32'            |
| 1.06<br>27.0                          | 22 x 27                                      | 1-969788-5                       | 20                           | 0.290               | 10m                         | 32'            |
| 1.42<br>36.0                          | 29 x 36                                      | 1-969788-6                       | 25                           | 0.440               | 10m                         | 32'            |
| 1.77<br>45.0                          | 38 x 45                                      | 1-969788-7                       | 36                           | 0.542               | 10m                         | 32'            |
| 2.20<br>56.0                          | 48 x 56                                      | 1-969788-8                       | 40                           | 0.875               | 10m                         | 32'            |

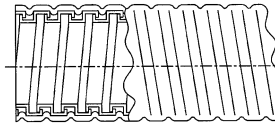
\*20 Rings of specified length.

**\*\*Advice: For appropriate tubing/screw connecting combinations choose the same trade size AD (tubing outer-Ø).**

**Note:** For quantities less than minimums, contact Tyco Electronics.

## Protective Metal Conduit, with PVC Sheathing

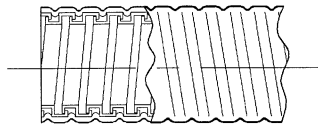
### SPR-PVC-AS



| Trade Size*<br>Conduit Outer-Ø<br>AD | Dimension<br>Inner-Ø x Outer-Ø<br>mm Approx. | Part Number | Bending<br>Radius<br>mm | Approx.<br>Weight<br>kg/m | Delivery<br>Length |
|--------------------------------------|----------------------------------------------|-------------|-------------------------|---------------------------|--------------------|
| <b>0.39</b><br>10.0                  | 7 x 10                                       | 796402-1    | 32                      | 0.085                     | 50m                |
| <b>0.55</b><br>14.0                  | 10 x 14                                      | 796402-2    | 40                      | 0.135                     | 50m                |
| <b>0.67</b><br>17.0                  | 13 x 17                                      | 796402-3    | 45                      | 0.170                     | 50m                |
| <b>0.75</b><br>19.0                  | 15 x 19                                      | 796402-4    | 52                      | 0.200                     | 50m                |
| <b>0.83</b><br>21.0                  | 17 x 21                                      | 796402-5    | 58                      | 0.220                     | 50m                |
| <b>1.06</b><br>27.0                  | 22 x 27                                      | 796402-6    | 72                      | 0.340                     | 50m                |
| <b>1.42</b><br>36.0                  | 29 x 36                                      | 796402-7    | 98                      | 0.620                     | 25m                |
| <b>1.77</b><br>45.0                  | 38 x 45                                      | 796402-8    | 118                     | 0.820                     | 25m                |
| <b>2.20</b><br>56.0                  | 49 x 56                                      | 796402-9    | 140                     | 0.970                     | 25m                |

\*Advice: For appropriate tubing/screw connecting combinations choose the same trade size AD (tubing outer-Ø).

### SPR-EDU-AS



| Trade Size*<br>Conduit Outer-Ø<br>AD | Dimension<br>Inner-Ø x Outer-Ø<br>mm Approx. | Part Number | Bending<br>Radius<br>mm | Weight<br>kg/m ±10% | Delivery<br>Length |
|--------------------------------------|----------------------------------------------|-------------|-------------------------|---------------------|--------------------|
| <b>0.39</b><br>10.0                  | 7 x 10                                       | 796541-1    | 28                      | 0.110               | 50m                |
| <b>0.55</b><br>14.0                  | 10 x 14                                      | 796541-2    | 34                      | 0.180               | 50m                |
| <b>0.67</b><br>17.0                  | 13 x 17                                      | 796541-3    | 40                      | 0.230               | 50m                |
| <b>0.75</b><br>19.0                  | 15 x 19                                      | 796541-4    | 45                      | 0.260               | 50m                |
| <b>0.83</b><br>21.0                  | 17 x 21                                      | 796541-5    | 50                      | 0.300               | 50m                |
| <b>1.06</b><br>27.0                  | 22 x 27                                      | 796541-6    | 63                      | 0.510               | 50m                |
| <b>1.42</b><br>36.0                  | 29 x 36                                      | 796541-7    | 85                      | 0.750               | 25m                |
| <b>1.77</b><br>45.0                  | 38 x 44                                      | 796541-8    | 100                     | 1.000               | 25m                |
| <b>2.20</b><br>56.0                  | 49 x 56                                      | 796541-9    | 135                     | 1.350               | 25m                |

\*Advice: For appropriate tubing/screw connecting combinations choose the same trade size AD (tubing outer-Ø).

## Connections with Ferrules

### Performance Characteristics

Multipart safety type screwed conduit connection with integrated ferrule and with PG thread, acc. DIN 40430 for all strip wound conduit types.

### Construction

Connector body with hexagon wrench surface, fixed rigid steel conduit connecting thread DIN 40430, hexagon pressure nut, sealing of plastic, to receive FLEXA ferrules of metal and plastic.

### Material

Connector Body: nickel-plated brass. Hexagon pressure nut: nickel-plated brass. Sealing ring: Thermoplastic elastomer, or TEFLON. Ferrule: Polished brass or plastic depending on conduit type.

### Properties

Security conduit fitting with high water- and dustproof and friction-type locking

### US-P (IP 40 – IP 66)



of conduit and screw connection, correct grounding, covering of the conduit ends, vibration and tension-proof, in combination with the right protective conduit.

### Protective system

From IP 40 to IP 66 acc. EN 60529 in combination with the right protective conduit.

### Temperature range

From approx. –40°C up to approx. +125°C with sealing of thermoplastic elastomer. From approx. –60°C up to approx. +300°C with sealing of TEFLON, especially in combination with **FLEXA**graff-SI-ASF. From approx. –40°C up to approx. +250°C with thrust collar of brass, especially in combination with **FLEXA**graff-CU (EMC-protection).

### Application

Optimum protective conduit fitting, appropriate according to the specifications EN 60204 applicable to all areas of machine and installation construction.

### Suitable for conduit types

For all protective conduit types except types of the LIQUID TIGHT-EF, -UL, -CSA.

| PG   | Trade Size***<br>AD | For Type: SPR-AS |                  |             | For Types: SPR-PVC-AS/<br>SPR-PU-AS, SPR-EDU-AS,<br>SPR-ME-ASF/SPR-CU-AS** |                  |             | For Type: FLEXAgraff-AS |                  |             | Packet/<br>Pieces | Weight kg/<br>100 p. Approx. |
|------|---------------------|------------------|------------------|-------------|----------------------------------------------------------------------------|------------------|-------------|-------------------------|------------------|-------------|-------------------|------------------------------|
|      |                     | Conduit Dim.     | Smallest Inner-Ø | Part Number | Conduit Dim.                                                               | Smallest Inner-Ø | Part Number | Conduit Dim.            | Smallest Inner-Ø | Part Number |                   |                              |
| 7    | 0.39<br>10.0        | 8 x 10           | 0.25<br>6.5      | 969794-1    | 7 x 10                                                                     | 0.23<br>6.0      | 969795-1    | 8 x 10                  | 0.25<br>6.5      | 969794-1    | 50                | 1.68                         |
| 9    | 0.55<br>14.0        | 11 x 14          | 0.39<br>10.0     | 969795-2    | 10 x 14                                                                    | 0.33<br>8.5      | 969795-2    | 12 x 14                 | 0.41<br>10.5     | 969794-2    | 50                | 3.16                         |
| 11   | 0.67<br>17.0        | 14 x 17          | 0.49<br>12.5     | 969794-3    | 13 x 17                                                                    | 0.45<br>11.5     | 969795-3    | 14 x 17                 | 0.49<br>12.5     | 969794-3    | 50                | 4.14                         |
| 13.5 | 0.75<br>19.0        | 16 x 19          | 0.57<br>14.5     | 969794-4    | 15 x 19                                                                    | 0.53<br>13.5     | 969795-4    | 16 x 19                 | 0.57<br>14.5     | 969794-4    | 50                | 4.70                         |
| 16   | 0.83<br>21.0        | 18 x 21          | 0.64<br>16.5     | 969794-5    | 17 x 21                                                                    | 0.61<br>15.5     | 969795-5    | 18 x 21                 | 0.64<br>16.5     | 969794-5    | 50                | 5.38                         |
| 21   | 1.06<br>27.0        | 23 x 27          | 0.84<br>21.5     | 969794-6    | 22 x 27                                                                    | 0.80<br>20.5     | 5010128021* | 24 x 27                 | 0.88<br>22.5     | 969794-6    | 25                | 10.00                        |
| 29   | 1.42<br>36.0        | 31 x 36          | 1.16<br>29.5     | 969794-7    | 29 x 36                                                                    | 1.08<br>27.5     | 969795-7    | 31 x 36                 | 1.16<br>29.5     | 969794-7    | 25                | 11.15                        |
| 36   | 1.77<br>45.0        | 40 x 45          | 1.49<br>38.0     | 969794-8    | 38 x 45                                                                    | 1.43<br>36.5     | 969795-8    | 40 x 45                 | 1.49<br>38.0     | 969794-8    | 20                | 18.18                        |
| 48   | 2.20<br>56.0        | 51 x 56          | 1.92<br>49.0     | 969794-9    | 49 x 56                                                                    | 1.87<br>47.5     | 969795-9    | 51 x 56                 | 1.92<br>49.0     | 969794-9    | 10                | 23.60                        |

\*Part No. on inquiry

\*\*SPR-CU-AS and **AIRflex**-KUW-CU only with MSD for EMC-usage. Part No. on inquiry

\*\*\*Advice: For appropriate tubing/screw connecting combinations choose the same trade size AD (tubing outer-Ø).

**Connections with Ferrules** (Continued)

**Material**

Polished brass or plastic depending on hose type.

**US-P**

(IP 40 – IP 66) (Continued)



| Trade Size**<br>AD | For Type:<br>FLEXAgraff-PU-AS,<br>FLEXAgraff-ME-ASF |                     |                | For Types:<br>SPR-PVC-EDU-AS,<br>SPR-EDU-PVC |                     |                | For Type:<br>AIRflex-KUW-EDU<br>AIRflex-KUW-CU* |                     |                | Packet/<br>Pieces | Weight kg/<br>100 p. Approx. |
|--------------------|-----------------------------------------------------|---------------------|----------------|----------------------------------------------|---------------------|----------------|-------------------------------------------------|---------------------|----------------|-------------------|------------------------------|
|                    | Conduit<br>Dim.                                     | Smallest<br>Inner-Ø | Part<br>Number | Conduit<br>Dim.                              | Smallest<br>Inner-Ø | Part<br>Number | Conduit<br>Dim.                                 | Smallest<br>Inner-Ø | Part<br>Number |                   |                              |
| 0.39<br>10.0       | 7 x 10                                              | 0.23<br>6.0         | 969795-1       | —                                            | —                   | —              | —                                               | —                   | —              | 50                | 1.68                         |
| 0.55<br>14.0       | 11 x 14                                             | 0.39<br>10.0        | 969795-2       | 9 x 14                                       | 0.33<br>8.5         | 969795-2       | 9 x 14                                          | 0.33<br>8.5         | 969795-2       | 50                | 3.16                         |
| 0.67<br>17.0       | 13 x 17                                             | 0.45<br>11.5        | 969795-3       | 12 x 17                                      | 0.43<br>11.0        | 5010135011*    | 12 x 17                                         | 0.43<br>11.0        | 5010135011*    | 50                | 4.14                         |
| 0.75<br>19.0       | 15 x 19                                             | 0.53<br>13.5        | 969795-4       | 14 x 19                                      | 0.51<br>13.0        | 5010135013*    | 14 x 19                                         | 0.51<br>13.0        | 5010135013*    | 50                | 4.70                         |
| 0.83<br>21.0       | 17 x 21                                             | 0.61<br>15.5        | 969795-5       | 16 x 21                                      | 0.57<br>14.5        | 5010135016*    | 15 x 21                                         | 0.57<br>14.5        | 5010135016*    | 50                | 5.38                         |
| 1.06<br>27.0       | 23 x 27                                             | 0.84<br>21.5        | 969795-6       | 21 x 27                                      | 0.76<br>19.5        | 5010601021*    | 20 x 27                                         | 0.76<br>19.5        | 5010135021*    | 25                | 10.00                        |
| 1.42<br>36.0       | 29 x 36                                             | 1.08<br>27.5        | 969795-7       | 28 x 36                                      | 1.08<br>27.5        | 969795-7       | 28 x 36                                         | 1.08<br>27.5        | 969795-7       | 25                | 11.15                        |
| 1.77<br>45.0       | 38 x 45                                             | 1.43<br>36.5        | 969795-8       | 37 x 45                                      | 1.39<br>35.5        | 5010135036*    | 37 x 45                                         | 1.39<br>35.5        | 5010135036*    | 20                | 18.18                        |
| 2.20<br>56.0       | 49 x 56                                             | 1.87<br>47.5        | 969795-9       | 48 x 56                                      | 1.85<br>47.0        | 5010135048*    | 48 x 56                                         | 1.85<br>47.0        | 5010135048*    | 10                | 23.60                        |

\*Part No. on inquiry

\*\*Advice: For appropriate tubing/screw connecting combinations choose the same trade size AD (tubing outer-Ø).

| Trade Size*<br>AD | For Types: AIRflex-KUW,<br>AIRflex-KUW-PU,<br>AIRflex-GRS, AIRflex-K |                     |                | Packet/<br>Pieces | Weight kg/<br>100 p.<br>Approx. |
|-------------------|----------------------------------------------------------------------|---------------------|----------------|-------------------|---------------------------------|
|                   | Conduit<br>Dim.                                                      | Smallest<br>Inner-Ø | Part<br>Number |                   |                                 |
| 0.39<br>10.0      | 7 x 10                                                               | 0.23<br>6.0         | 969797-1       | 50                | 1.54                            |
| 0.55<br>14.0      | 10 x 14                                                              | 0.35<br>9.0         | 969797-2       | 50                | 2.85                            |
| 0.67<br>17.0      | 13 x 17                                                              | 0.45<br>11.5        | 969797-3       | 50                | 3.79                            |
| 0.75<br>19.0      | 15 x 19                                                              | 0.51<br>13.0        | 969797-4       | 50                | 4.31                            |
| 0.83<br>21.0      | 16 x 21                                                              | 0.57<br>14.5        | 969797-5       | 50                | 4.93                            |
| 1.06<br>27.0      | 21 x 27                                                              | 0.76<br>19.5        | 969797-6       | 25                | 9.21                            |
| 1.42<br>36.0      | 29 x 36                                                              | 1.04<br>26.5        | 969797-7       | 25                | 10.01                           |
| 1.77<br>45.0      | 38 x 45                                                              | 1.41<br>36.0        | 969797-8       | 20                | 16.82                           |
| 2.20<br>56.0      | 48 x 56                                                              | 1.79<br>45.5        | 969797-9       | 10                | 21.85                           |

\*Advice: For appropriate tubing/screw connecting combinations choose the same trade size AD (tubing outer-Ø).

**Connections with Ferrules** (Continued)

**Material**

Polished brass or plastic depending on hose type.

**US-P**

(IP 40 – IP 66) (Continued)



| Trade Size*** | Thread<br>DIN 40430<br>PG | For Type:<br>FLEXAgraft-SI-ASF |                     |                | For Types:<br>FLEXAgraft-CU mit MSD (EMV)<br>FLEXAgraft-CU-PVC mit MSD (EMV)** |                     |                | For Type:<br>K-EDU |                     |                | Packet/<br>Piece | Wt. kg/<br>100 p.<br>Approx. |
|---------------|---------------------------|--------------------------------|---------------------|----------------|--------------------------------------------------------------------------------|---------------------|----------------|--------------------|---------------------|----------------|------------------|------------------------------|
|               |                           | Conduit<br>Dim.                | Smallest<br>Inner-Ø | Part<br>Number | Conduit<br>Dim.                                                                | Smallest<br>Inner-Ø | Part<br>Number | Conduit<br>Dim.    | Smallest<br>Inner-Ø | Part<br>Number |                  |                              |
| 0.39<br>10.0  | 7                         | 6 x 10                         | 0.19<br>5.0         | 5010137007*    | 7 x 10                                                                         | 0.23<br>6.0         | 969796-1       | 6 x 10             | 0.23<br>6.0         | 5010132007*    | 50               | 1.68                         |
| 0.55<br>14.0  | 9                         | 10 x 14                        | 0.43<br>11.0        | 5010137009*    | 11 x 14                                                                        | 0.39<br>10.0        | 969796-2       | 9 x 14             | 0.33<br>8.5         | 5010132009*    | 50               | 3.16                         |
| 0.67<br>17.0  | 11                        | 12 x 17                        | 0.41<br>10.5        | 5010137011*    | 13 x 17                                                                        | 0.45<br>11.5        | 969796-3       | 12 x 17            | 0.45<br>11.5        | 5010132011*    | 50               | 4.14                         |
| 0.75<br>19.0  | 13.5                      | 14 x 19                        | 0.49<br>12.5        | 5010137013*    | 15 x 19                                                                        | 0.53<br>13.5        | 969796-4       | 14 x 19            | 0.53<br>13.5        | 5010132013*    | 50               | 4.70                         |
| 0.83<br>21.0  | 16                        | 16 x 21                        | 0.57<br>14.5        | 5010137016*    | 17 x 21                                                                        | 0.61<br>15.5        | 969796-5       | 16 x 21            | 0.61<br>15.5        | 5010132016*    | 50               | 5.38                         |
| 1.06<br>27.0  | 21                        | 21 x 27                        | 0.76<br>19.5        | 5010137021*    | 23 x 27                                                                        | 0.84<br>21.5        | 969796-6       | 21 x 27            | 0.80<br>20.5        | 5010132021*    | 25               | 10.00                        |
| 1.42<br>36.0  | 29                        | 27 x 36                        | 1.04<br>26.5        | 5010137029*    | 29 x 36                                                                        | 1.08<br>27.5        | 969796-7       | 28 x 36            | 1.08<br>27.5        | 5010132029*    | 25               | 11.15                        |
| 1.77<br>45.0  | 36                        | 36 x 45                        | 1.35<br>34.5        | 5010137036*    | 38 x 45                                                                        | 1.43<br>36.5        | 969796-8       | 37 x 45            | 1.45<br>37.0        | 5010132036*    | 20               | 18.18                        |
| 2.20<br>56.0  | 48                        | 47 x 56                        | 1.79<br>45.5        | 5010137048*    | 49 x 56                                                                        | 1.87<br>47.5        | 969796-9       | 48 x 56            | 1.88<br>48.0        | 5010132048*    | 10               | 23.60                        |

\*Part No. on inquiry.

\*\*For liquid tight version a special type is necessary.

\*\*\*Advice: For appropriate tubing/screw connecting combinations choose the same trade size AD (tubing outer-Ø).

**Connections with Ferrules (Continued)**

**Performance Characteristics**

Multipart safety-type angle screwed conduit connection with integrated ferrule and with PG-thread DIN 40430 for all strip wound conduit types.

**Construction**

Round connector body in angle version of 90°, fixed rigid steel conduit connecting thread DIN 40430, hexagon pressure nut, sealing ring of plastic, to receive all FLEXA versions of ferrules of metal and plastic.

**Material**

Connector body: zinc die-casting. Hexagon pressure nut: nickel-plated brass. Sealing ring: Thermoplastic elastomer, or TEFLON. Ferrule: polished brass or plastic, depending on conduit type.

**Properties:**

Security conduit fitting with high water- and dustproof and friction-type

**USW-P  
(IP 40 – IP 66)**



locking of conduit and screw connection, correct grounding, covering of the conduit ends, vibration and tension-proof, in combination with the appropriate protective conduit.

**Protective system**

From IP 40 to IP 66 acc. EN 60529 in combination with the corresponding protective conduit.

**Temperature range**

From approx. -40°C up to approx. +125°C with sealing of thermoplastic elastomer. From approx. -60°C up to approx. +300°C with sealing of TEFLON, especially in combination with FLEXAgraft-SI-ASF. From approx. -40°C up to approx. +250°C with thrust collar of brass, especially in combination with FLEXAgraft-CU (EMC-protection).

**Application**

Optimum protective conduit fitting, appropriate according to the specifications EN 60204 in all areas of machine and installation construction.

**For conduit types**

For all protective conduit types except types of the LIQUID TIGHT-EF, -UL and -CSA.

| Trade Size***<br>AD | Thread<br>DIN 40430<br>PG | For Type: SPR-AS |                     |                | For Types: SPR-PVC-AS/<br>SPR-PU-AS, SPR-EDU-AS,<br>SPR-ME-ASF/ SPR-CU-AS** |                     |                | For Type: FLEXAgraft-AS |                     |                | Packet/<br>Pieces | Weight<br>kg/100 p.<br>Approx |
|---------------------|---------------------------|------------------|---------------------|----------------|-----------------------------------------------------------------------------|---------------------|----------------|-------------------------|---------------------|----------------|-------------------|-------------------------------|
|                     |                           | Conduit<br>Dim.  | Smallest<br>Inner-Ø | Part<br>Number | Conduit<br>Dim.                                                             | Smallest<br>Inner-Ø | Part<br>Number | Conduit<br>Dim.         | Smallest<br>Inner-Ø | Part<br>Number |                   |                               |
| 0.39<br>10.0        | 7                         | 8 x 10           | 0.25<br>6.5         | 969798-1       | 7 x 10                                                                      | 0.23<br>6.0         | 969799-1       | 8 x 10                  | 0.25<br>6.5         | 969798-1       | 25                | 2.80                          |
| 0.55<br>14.0        | 9                         | 11 x 14          | 0.39<br>10.0        | 969799-2       | 10 x 14                                                                     | 0.33<br>8.5         | 5010228009*    | 12 x 14                 | 0.41<br>10.5        | 969798-2       | 25                | 3.90                          |
| 0.67<br>17.0        | 11                        | 14 x 17          | 0.49<br>12.5        | 969798-3       | 13 x 17                                                                     | 0.45<br>11.5        | 969799-3       | 14 x 17                 | 0.49<br>12.5        | 969798-3       | 25                | 5.90                          |
| 0.75<br>19.0        | 13.5                      | 16 x 19          | 0.57<br>14.5        | 969798-4       | 15 x 19                                                                     | 0.53<br>13.5        | 969799-4       | 16 x 19                 | 0.57<br>14.5        | 969798-4       | 25                | 7.70                          |
| 0.83<br>21.0        | 16                        | 18 x 21          | 0.64<br>16.5        | 969798-5       | 17 x 21                                                                     | 0.61<br>15.5        | 969799-5       | 18 x 21                 | 0.64<br>16.5        | 969798-5       | 25                | 9.80                          |
| 1.06<br>27.0        | 21                        | 23 x 27          | 0.84<br>21.5        | 969798-6       | 22 x 27                                                                     | 0.80<br>20.5        | 5010228021*    | 24 x 27                 | 0.88<br>22.5        | 969798-6       | 10                | 13.10                         |
| 1.42<br>36.0        | 29                        | 31 x 36          | 1.16<br>29.5        | 969798-7       | 29 x 36                                                                     | 1.08<br>27.5        | 969799-7       | 31 x 36                 | 1.16<br>29.5        | 969798-7       | 10                | 23.30                         |

\*Part No. on inquiry.

\*\*SPR-CU-AS and AIRflex-KUW-CU only with MSD for EMC-usage.

\*\*\*Advice: For appropriate tubing/screw connecting combinations choose the same trade size AD (tubing outer-Ø).

| Trade Size**<br>AD | Thread<br>DIN 40430<br>PG | For Types: FLEXAgraft-PU-AS,<br>FLEXAgraft-ME-ASF |                     |                | For Types: SPR-PVC-EDU-AS,<br>SPR-EDU-PVC |                     |                | For Types: AIRflex-KUW-EDU<br>AIRflex-KUW-CU* |                     |                | Packet/<br>Pieces | Weight<br>kg/100p.<br>Approx. |
|--------------------|---------------------------|---------------------------------------------------|---------------------|----------------|-------------------------------------------|---------------------|----------------|-----------------------------------------------|---------------------|----------------|-------------------|-------------------------------|
|                    |                           | Conduit<br>Dim.                                   | Smallest<br>Inner-Ø | Part<br>Number | Conduit<br>Dim.                           | Smallest<br>Inner-Ø | Part<br>Number | Conduit<br>Dim.                               | Smallest<br>Inner-Ø | Part<br>Number |                   |                               |
| 0.39<br>10.0       | 7                         | 7 x 10                                            | 0.23<br>6.0         | 969799-1       | —                                         | —                   | —              | —                                             | —                   | —              | 25                | 2.80                          |
| 0.55<br>14.0       | 9                         | 11 x 14                                           | 0.39<br>10.0        | 969799-2       | 9 x 14                                    | 0.33<br>8.5         | 5010228009*    | 9 x 14                                        | 0.33<br>8.5         | 5010228009*    | 25                | 3.90                          |
| 0.67<br>17.0       | 11                        | 13 x 17                                           | 0.45<br>11.5        | 969799-3       | 12 x 17                                   | 0.43<br>11.0        | 5010235011*    | 12 x 17                                       | 0.43<br>11.0        | 5010235011*    | 25                | 5.90                          |
| 0.75<br>19.0       | 13.5                      | 15 x 19                                           | 0.53<br>13.5        | 969799-4       | 14 x 19                                   | 0.51<br>13.0        | 5010235013*    | 14 x 19                                       | 0.51<br>13.0        | 5010235013*    | 25                | 7.70                          |
| 0.83<br>21.0       | 16                        | 17 x 21                                           | 0.61<br>15.5        | 969799-5       | 16 x 21                                   | 0.57<br>14.5        | 5010235016*    | 15 x 21                                       | 0.57<br>14.5        | 5010235016*    | 25                | 9.80                          |
| 1.06<br>27.0       | 21                        | 23 x 27                                           | 0.84<br>21.5        | 969799-6       | 21 x 27                                   | 0.76<br>19.5        | 5010201021*    | 20 x 27                                       | 0.76<br>19.5        | 5010235021*    | 10                | 13.10                         |
| 1.42<br>36.0       | 29                        | 29 x 36                                           | 1.08<br>27.5        | 969799-7       | 28 x 36                                   | 1.08<br>27.5        | 969799-7       | 28 x 36                                       | 1.08<br>27.5        | 969799-7       | 10                | 23.30                         |

\*Part No. on inquiry.

\*\*Advice: For appropriate tubing/screw connecting combinations choose the same trade size AD (tubing outer-Ø).



**Material**

Polished brass or plastic depending on conduit type.

**USW-P**

(IP 40 – IP 66) (Continued)



| Trade Size*<br>AD | Thread<br>DIN 40430<br>PG | For Types: AIRflex-KUW/<br>AIRflex-KUW-PU,<br>AIRflex-GRS, AIRflex-K |                     |                | Packet/<br>Pieces | Weight<br>kg/100 p.<br>Approx. |
|-------------------|---------------------------|----------------------------------------------------------------------|---------------------|----------------|-------------------|--------------------------------|
|                   |                           | Conduit<br>Dim.                                                      | Smallest<br>Inner-Ø | Part<br>Number |                   |                                |
| 0.39<br>10.0      | 7                         | 7 x 10                                                               | 0.23<br>6.0         | 969801-1       | 25                | 2.60                           |
| 0.55<br>14.0      | 9                         | 10 x 14                                                              | 0.35<br>9.0         | 969801-2       | 25                | 3.60                           |
| 0.67<br>17.0      | 11                        | 13 x 17                                                              | 0.45<br>11.5        | 969801-3       | 25                | 5.70                           |
| 0.75<br>19.0      | 13.5                      | 15 x 19                                                              | 0.51<br>13.0        | 969801-4       | 25                | 7.50                           |
| 0.83<br>21.0      | 16                        | 16 x 21                                                              | 0.57<br>14.5        | 969801-5       | 25                | 9.60                           |
| 1.06<br>27.0      | 21                        | 21 x 27                                                              | 0.76<br>19.5        | 969801-6       | 10                | 12.30                          |
| 1.42<br>36.0      | 29                        | 29 x 36                                                              | 1.04<br>26.5        | 969801-7       | 10                | 22.10                          |

\*Advice: For appropriate tubing/screw connecting combinations choose the same trade size AD (tubing outer-Ø).

| Trade Size**<br>AD | Thread<br>DIN 40430<br>PG | For Type: FLEXAgraff-SI-ASF |                     |                | For Type: FLEXAgraff-CU mit MSD (EMV) |                     |                | For Type: K-EDU |                     |                | Packets/<br>Pieces | Weight<br>kg/100 p.<br>Approx. |
|--------------------|---------------------------|-----------------------------|---------------------|----------------|---------------------------------------|---------------------|----------------|-----------------|---------------------|----------------|--------------------|--------------------------------|
|                    |                           | Hose<br>Dim.                | Smallest<br>Inner-Ø | Part<br>Number | Hose<br>Dim.                          | Smallest<br>Inner-Ø | Part<br>Number | Hose<br>Dim.    | Smallest<br>Inner-Ø | Part<br>Number |                    |                                |
| 0.39<br>10.0       | 7                         | 6 x 10                      | 0.19<br>5.0         | 5010237007*    | 7 x 10                                | 0.23<br>6.0         | 969800-1       | 6 x 10          | 0.23<br>6.0         | 5010232007*    | 25                 | 2.80                           |
| 0.55<br>14.0       | 9                         | 10 x 14                     | 0.43<br>11.0        | 5010237009*    | 11 x 14                               | 0.39<br>10.0        | 969800-2       | 9 x 14          | 0.33<br>8.5         | 5010232009*    | 25                 | 3.90                           |
| 0.67<br>17.0       | 11                        | 12 x 17                     | 0.41<br>10.5        | 5010237011*    | 13 x 17                               | 0.45<br>11.5        | 969800-3       | 12 x 17         | 0.45<br>11.5        | 5010232011*    | 25                 | 5.90                           |
| 0.75<br>19.0       | 13.5                      | 14 x 19                     | 0.49<br>12.5        | 5010237013*    | 15 x 19                               | 0.53<br>13.5        | 969800-4       | 14 x 19         | 0.53<br>13.5        | 5010232013*    | 25                 | 7.70                           |
| 0.83<br>21.0       | 16                        | 16 x 21                     | 0.57<br>14.5        | 5010235016*    | 17 x 21                               | 0.61<br>15.5        | 969800-5       | 16 x 21         | 0.61<br>15.5        | 5010232016*    | 25                 | 9.80                           |
| 1.06<br>27.0       | 21                        | 21 x 27                     | 0.76<br>19.5        | 5010201021*    | 23 x 27                               | 0.84<br>21.5        | 969800-6       | 21 x 27         | 0.80<br>20.5        | 5010232021*    | 10                 | 13.10                          |
| 1.42<br>36.0       | 29                        | 27 x 36                     | 1.04<br>26.5        | 5010237029*    | 29 x 36                               | 1.08<br>27.5        | 969800-7       | 28 x 36         | 1.08<br>27.5        | 5010232029*    | 10                 | 23.30                          |

\*Part No. on inquiry.

\*\*Advice: For appropriate tubing/screw connecting combinations choose the same trade size AD (tubing outer-Ø).

**Performance  
Characteristics**

Conduit Connection, Screwed, 45°.

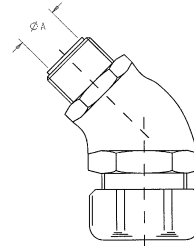
**Material**

Connector Body, Pressure Nut &

Ferrule: Galvanized Steel.

Sealing Ring: Elastic Plastic.

**EW 45-P**



| Trade<br>Size*<br>AD | Thread<br>DIN 40430<br>PG | Conduit<br>Dim. | Smallest<br>Inner-Ø | Part<br>Number | Packet/<br>Pieces |
|----------------------|---------------------------|-----------------|---------------------|----------------|-------------------|
| <b>0.38</b><br>9.5   | 11                        | 12.5 x 18       | <b>0.43</b><br>11.0 | 796314-1       | 25                |
| <b>0.38</b><br>9.5   | 13.5                      | 12.5 x 18       | <b>0.43</b><br>11.0 | 796314-2       | 25                |
| <b>0.50</b><br>12.7  | 16                        | 16 x 21         | <b>0.57</b><br>14.5 | 796314-3       | 25                |
| <b>0.75</b><br>19.1  | 21                        | 21 x 26.5       | <b>0.77</b><br>19.5 | 796314-4       | 10                |
| <b>1.00</b><br>25.4  | 29                        | 26.5 x 33       | <b>0.98</b><br>24.8 | 796314-5       | 5                 |
| <b>1.25</b><br>31.8  | 36                        | 35.5 x 42       | <b>1.31</b><br>33.2 | 796314-6       | 5                 |
| <b>2.00</b><br>50.8  | 48                        | 51.5 x 60       | <b>1.95</b><br>49.6 | 796314-7       | 1                 |

**\*Advice:** For appropriate tubing/screw connecting combinations choose the same trade size AD (tubing outer-Ø).

**Connections with Ferrules** (Continued)

**Performance Characteristics**

Multipart safety-type screwed conduit connection with integrated ferrule and with PG connecting thread DIN 40430 for all strip wound plastic conduit types.

**Construction**

Connector body with hexagon key surface, rigid steel conduit connecting thread DIN 40430 or metric ISO thread acc. EN 60423, hexagon pressure nut, sealing ring of plastic, to accept ferrules of plastic.

**Material**

Connector body, hexagon pressure nut and ferrule:  
high-grade resistant plastic (PP)

Sealing ring:  
Thermoplastic elastomer

**Properties**

Security conduit fitting with high dust-, waterproof, and friction-type locking of conduit and screw connection.

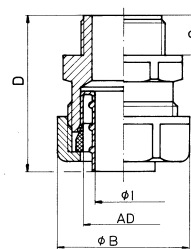
**Protective system**

IP 65 acc. EN 60529

**Temperature range**

From approx. -10°C up to approx. +110°C

**USK-P  
(IP 65)**



**Application**

Optimum protective conduit fitting, as protective insulated screw connection, appropriate according to the specifications EN 60204 in machine and installation construction.

**Suitable for conduit types**

For all protective plastic conduit types except type **ROHRflex**.

**Important**

**Security of the screwed conduit connection is only guaranteed with the correspondent ferrule.**

| Trade Size**<br>AD  | Packet/<br>Pieces | USK-P (Grey)<br>Part<br>Number | Thread<br>DIN 40430<br>PG | Smallest<br>Inner-Ø<br>Ø I | Largest<br>Inner-Ø<br>Ø B | Length<br>of Thread<br>C | Total<br>Length<br>D | Wrench<br>Size<br>Body | Across<br>Flats of<br>Pressure Nut | Packet/<br>Pieces | Weight kg/<br>100 p.<br>Approx. |
|---------------------|-------------------|--------------------------------|---------------------------|----------------------------|---------------------------|--------------------------|----------------------|------------------------|------------------------------------|-------------------|---------------------------------|
| <b>0.39</b><br>10.0 | 10                | 969802-1                       | 7                         | 6                          | 20                        | 10                       | 40                   | 16                     | 18                                 | 50                | 0.6                             |
| <b>0.55</b><br>14.0 | 10                | 969802-2*                      | 9                         | 9                          | 25                        | 10                       | 41                   | 21                     | 23                                 | 50                | 1.0                             |
| <b>0.67</b><br>17.0 | 10                | 969802-3*                      | 11                        | 11                         | 30                        | 10                       | 41                   | 24                     | 27                                 | 50                | 1.3                             |
| <b>0.75</b><br>19.0 | 10                | 969802-4                       | 13.5                      | 13                         | 32                        | 10                       | 41                   | 26                     | 29                                 | 50                | 1.7                             |
| <b>0.83</b><br>21.0 | 10                | 969802-5*                      | 16                        | 14.5                       | 35                        | 11                       | 42                   | 29                     | 32                                 | 50                | 2.0                             |
| <b>1.06</b><br>27.0 | 10                | 969802-6                       | 21                        | 19.5                       | 44                        | 11                       | 48                   | 36                     | 40                                 | 25                | 2.9                             |
| <b>1.42</b><br>36.0 | 2                 | 969802-7                       | 29                        | 27                         | 54                        | 12                       | 48                   | 45                     | 49                                 | 25                | 3.9                             |
| <b>1.77</b><br>45.0 | 2                 | 969802-8                       | 36                        | 36                         | 63                        | 12                       | 48                   | 53                     | 58                                 | 25                | 6.0                             |
| <b>2.20</b><br>56.0 | 2                 | 969802-9                       | 48                        | 46                         | 77                        | 15                       | 57                   | 65                     | 70                                 | 10                | 8.4                             |

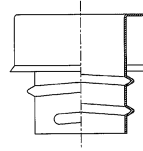
\*with NEMKO-Approval

\*\*Advice: For appropriate tubing/screw connecting combinations choose the same trade size AD (tubing outer-Ø).

Terminal Sleeve, Tubing Connector.

**Connections with Ferrules** (Continued)

**EE**



| Trade Size<br>AD    | Conduit<br>Dim. | Smallest<br>Inner-Ø | Part<br>Number | Packet/<br>Pieces | Approx.<br>Weight<br>kg/100p |
|---------------------|-----------------|---------------------|----------------|-------------------|------------------------------|
| <b>0.39</b><br>10.0 | 7 x 10          | <b>0.24</b><br>6.0  | 796313-1       | 50                | 0.32                         |
| <b>0.55</b><br>14.0 | 11 x 14         | <b>0.39</b><br>10.0 | 796313-2       | 50                | 0.32                         |
| <b>0.67</b><br>17.0 | 13 x 17         | <b>0.45</b><br>11.5 | 796313-3       | 50                | 0.50                         |
| <b>0.75</b><br>19.0 | 15 x 19         | <b>0.53</b><br>13.5 | 796313-4       | 50                | 0.57                         |
| <b>0.83</b><br>21.0 | 17 x 21         | <b>0.61</b><br>15.5 | 796313-5       | 50                | 0.64                         |
| <b>1.06</b><br>27.0 | 23 x 27         | <b>0.85</b><br>21.5 | 796313-6       | 25                | 1.00                         |
| <b>1.42</b><br>36.0 | 29 x 36         | <b>1.08</b><br>27.5 | 796313-7       | 25                | 1.48                         |
| <b>1.77</b><br>45.0 | 38 x 45         | <b>1.44</b><br>36.5 | 796313-8       | 25                | 2.01                         |
| <b>2.20</b><br>56.0 | 49 x 56         | <b>1.87</b><br>47.5 | 796313-9       | 10                | 2.80                         |

## Chemical Resistance of Plastic Materials

| Reagent                                        | Concentration % | at temp. +°C | PU polyurethane | Soft PVC | Megolon ME | Polypropylene PP | Polyamide PA | Silicon Si |
|------------------------------------------------|-----------------|--------------|-----------------|----------|------------|------------------|--------------|------------|
| Acetaldehyde                                   | 100             | 20           | +               | –        |            |                  | 40% o        |            |
| Acetic acid                                    | 10              | 20           | o               | +        |            | +                | o            |            |
| Acetone                                        | 100             | 20           | –               | –        | o          | +                | +            | +          |
| Acrylic acid ethyl ester/acrylic resin lacquer | 100             | 20           |                 | –        |            |                  | 30% –        |            |
| Allyl alcohol                                  | 96              | 20           | –               | –        |            | +                | 30% o        |            |
| Alum, hydrous                                  | dilute          | 40           |                 | +        |            | +                |              |            |
| Aluminum chloride, hydrous                     | dilute          | 40           | +               | +        | o          | +                |              | o          |
| Aluminum sulphate, hydrous                     | dilute          | 40           | +               | +        | o          | +                |              | +          |
| Ammonia solution                               | any             | 20           | o               | +        |            | +                | 20% +        | +          |
| Ammonium chloride, hydrous                     | any             | 60           | +               | +        | o          | +                |              |            |
| Ammonium nitrate, hydrous                      | dilute          | 40           | +               | +        |            | +                |              |            |
| Ammonium sulphate, hydrous                     | dilute          | 40           | +               | +        | o          | +                |              |            |
| Aniline, pure                                  | 100             | 20           | –               | –        | o          | +                | o            | +          |
| Aniline hydrochloride, hydrous                 | saturated       | 20           |                 | +        |            |                  |              |            |
| Benzaldehyde, hydrous                          | 0.3             | 20           |                 | –        |            | +                | pure o       |            |
| Benzine                                        | 100             | 20           | +               | –        |            | o                | +            | o          |
| Benzoic acid                                   | any             | 40           | +               | +        |            | +                |              |            |
| Benzol                                         | 100             | 20           | –               | –        |            | o                | +            | o          |
| Bleaching liquor                               | 12.5 cl         | 20           |                 | +        |            | o                |              |            |
| Borax, hydrous                                 | dilute          | 40           |                 | +        |            | +                |              |            |
| Boric acid                                     | dilute          | 40           | –               | +        |            | +                | o            |            |
| Boron                                          | 50              | 40           |                 | –        |            |                  | o            |            |
| Bromine, liquid                                | 100             | 20           | –               | –        |            | –                | –            | –          |
| Butanediol                                     | 10              | 20           | o               | +        |            | +                | pure +       |            |
| Butanol                                        | 100             | 20           | +               | –        |            | +                |              | o          |
| Butylacetate                                   | 100             | 20           | –               | –        | o          | o                |              | o          |
| Butyl alcohol                                  | 100             | 20           | o               | –        |            | +                |              |            |
| Calcium chloride, hydrous                      | any             | 40           | +               | +        | o          | +                | 10% +        |            |
| Calcium nitrate, hydrous                       | 50              | 40           | +               | +        |            | +                |              |            |
| Carbamide, hydrous                             | 10              | 40           | +               | +        |            | +                | 20% +        |            |
| Carbon bisulphide                              | 100             | 20           | +               | –        |            | +                | o            | o          |
| Carbon monoxide                                | 100             | 60           | +               | +        | o          | +                |              |            |
| Carbon tetrachloride                           | 100             | 20           | +               | –        | o          | o                | +            |            |
| Carbonic acid                                  | 100             | 60           | +               | +        |            | +                |              | +          |
| Caustic potash solution                        | 50              | 20           | o               | o        |            | +                | +            | o          |
| Chlorine                                       | any             | 20           | –               | –        |            | –                | –            | –          |
| Chrome alum, hydrous                           | dilute          | 40           |                 | +        |            | +                |              |            |
| Citric acid                                    | 10              | 40           | o               | o        |            | +                |              | +          |
| Copper monochloride, hydrous                   | saturated       | 20           | +               | +        |            | +                |              |            |
| Copper sulphate, hydrous                       | any             | 40           | +               | +        |            | +                |              |            |
| Cresol, hydrous                                | 90              | 20           | –               | –        |            | +                | pure –       |            |
| Cyclohexanol                                   | 100             | 20           | –               | –        |            | +                | +            |            |
| Developer agent                                |                 | 40           | +               | +        |            |                  |              |            |
| Dichloromethane                                | 100             | 20           | –               | –        |            | –                | o            | o          |
| Diethyl ether                                  | 100             | 20           | –               | –        |            | o                | 30% +        |            |
| Ethyl alcohol, hydrous                         | 10              | 20           | +               | +        | o          | +                | o            |            |
| Ethylene dichloride                            | 100             | 20           | –               | –        | o          | o                |              |            |
| Ethylene oxide, liquid                         | 100             | 20           |                 | –        |            |                  |              |            |
| Ferric cyanide, hydrous                        | any             | 60           |                 | +        |            | +                |              |            |
| Ferrous chloride, hydrous                      | 10              | 40           | +               | +        |            | +                | o            |            |
| Fluorosilicic acid                             | 30              | 20           |                 | +        |            |                  | +            |            |

+ stands for: resistant  
o stands for: conditionally resistant  
– stands for: not resistant

## Chemical Resistance of Plastic Materials (Continued)

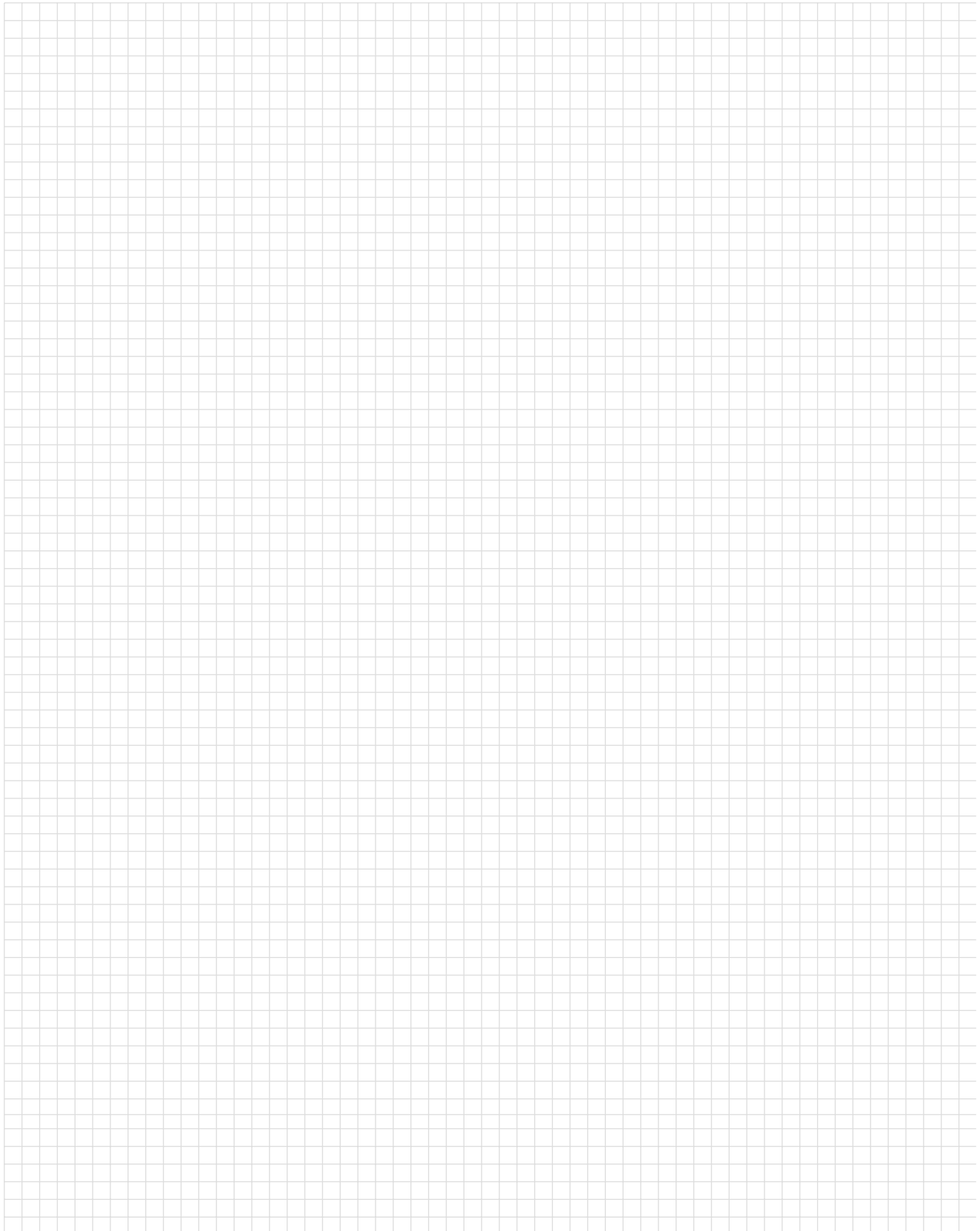
| Reagent                           | Concentration % | at temp. +°C | PU polyurethane | Soft PVC | Megolon ME | Polypropylene PP | Polyamide PA | Silicon SI |
|-----------------------------------|-----------------|--------------|-----------------|----------|------------|------------------|--------------|------------|
| Fluorine                          | 50              | 40           | —               | —        |            |                  | —            | —          |
| Formaldehyde, hydrous             | dilute          | 40           | o               | +        |            | +                | pure +       |            |
| Formic acid, hydrous              | 100             | 20           | —               | —        |            | +                | 10% o        | +          |
| Glacial acetic acid               | 100             | 20           |                 | —        |            | +                |              |            |
| Glucose, hydrous                  | any             | 20           | +               | +        |            | +                |              |            |
| Glycerol trinitrate               | dilute          | 20           |                 |          |            |                  |              |            |
| Hydrobromic acid, hydrous         | 10              | 40           | —               | +        |            | +                | —            |            |
| Hydrochloric acid                 | 10              | 30-40        |                 | —        | o          |                  |              | +          |
| Hydrochloric acid, hydrous        | 10              | 20           | —               | +        |            | +                | 20% —        |            |
| Hydrogen                          | 100             | 60           | +               | +        | o          |                  | +            | 30% +      |
| Hydroxylamine sulphate, hydrous   | 12              | 35           | +               | +        |            |                  |              |            |
| Kerosine                          |                 |              | +               |          | o          |                  |              | o          |
| Lactic acid, hydrous              | 50              | 20           | o               | +        |            | +                | pure +       |            |
| Magnesium carbonate               | any             | 20           | +               | +        |            |                  |              |            |
| Magnesium chloride, hydrous       | any             | 20           | +               | +        |            | +                | 10% o        | +          |
| Mercury                           |                 | 60           | +               | +        |            | +                | +            |            |
| Methyl alcohol                    | 100             | 20           | o               | —        | o          | +                |              | +          |
| Methylenchlorid                   | 100             | 20           | —               | —        | o          | —                |              | o          |
| Nickel chloride, hydrous          | any             | 20           | +               | +        |            | +                | 10% o        | +          |
| Nickel sulphate, hydrous          | any             | 20           | +               | +        |            | +                | 10% o        | +          |
| Nitric acid, hydrous              | 6               | 20           | —               | +        | o          | +                | 50% —        | o          |
| Oil and grease                    |                 | 20           | +               | o        | +          | +                | +            | o          |
| Oleic acid                        | 100             | 20           | o               | o        | o          | +                | +            |            |
| Oxalic acid                       | saturated       | 20           | o               | +        |            | +                | 10% o        | o          |
| Ozone                             | 100             | 20           | o               | o        |            | o                | o            | +          |
| Phosgene, liquid                  | 100             | 20           | —               | —        |            |                  |              |            |
| Phosphoric acid, hydrous          | dilute          | 20           | o               | +        |            | +                | 10% —        | +          |
| Phosphorus pentoxide              | 100             | 20           |                 | o        |            | +                |              |            |
| Potassium dichromate, hydrous     | 40              | 20           | +               | +        |            | +                |              | 20% +      |
| Potassium bromide, hydrous        | any             | 60           | o               | +        |            | +                | 10% +        |            |
| Potassium carbonate, hydrous      | saturated       | 40           | +               | +        |            |                  |              |            |
| Potassium chloride, hydrous       | any             | 20           | +               | +        |            | +                | 10% +        | +          |
| Potassium nitrate                 | any             | 20           | +               | +        |            | +                | 10% +        | +          |
| Potassium permanganate, hydrous   | 6               | 20           | —               | +        |            | +                |              |            |
| Potassium persulphate, hydrous    | dilute          | 40           | +               | +        |            | +                |              | +          |
| Sea water                         |                 | 40           | +               | +        | +          | +                | +            | +          |
| Soap solution, hydrous            | concentrated    | 20           | +               | +        | +          | +                | o            | +          |
| Sodium chlorate, hydrous          | any             | 20           |                 | +        |            | +                | 10% o        |            |
| Sodium chloride solution          | any             | 40           | +               | +        | +          | +                |              |            |
| Sodium hydroxide solution         | 10              | 20           | o               | +        | o          | +                | 10% +        |            |
| Sulphide, hydrous                 | dilute          | 40           |                 | +        |            | +                |              |            |
| Sulphuric acid                    | 10              | 20           | +               | +        |            | +                | 80% —        | +          |
| Tin dichloride, hydrous           | dilute          | 40           | +               | o        |            | +                |              |            |
| Toluene                           | 100             | 20           | +               | —        | o          | o                | +            | o          |
| Trichloroethylene                 | 100             | 20           | —               | —        | o          | o                | o            |            |
| Vinyl acetate                     | 100             | 20           | —               | —        |            |                  |              |            |
| Waste-gas, containing carbon acid | any             | 60           | +               | +        |            | +                |              |            |
| Waste-gas, containing CO          | any             | 60           | +               | +        |            | +                |              |            |
| Xylene                            | 100             | 20           | +               | —        | o          | o                | +            | o          |
| Zinc chloride, hydrous            | dilute          | 60           | +               | o        |            | +                | 10% o        |            |
| Zinc sulphate, hydrous            | dilute          | 60           | +               | o        |            | +                |              | +          |

+ stands for: resistant  
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**Note:** This index lists all cataloged parts by base no. only. Complete part nos. (with prefixes and/or suffixes) are shown on the page(s) indicated.

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Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
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- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



## JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели,  
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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