

## 9935 Multi-Conductor - Low-Capacitance Computer Cable for EIA RS-232/423



For more Information  
please call

1-800-Belden1



### Description:

24 AWG stranded (7x32) TC conductors, Datalene® insulation, overall Beldfoil® (100% coverage) + TC braid shield (65% coverage), drain wire, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 10           | 24  | 7x32      | TC - Tinned Copper |

#### Insulation

##### Insulation Material:

| Insulation Trade Name | Insulation Material     |
|-----------------------|-------------------------|
| Datalene®             | FPE - Foam Polyethylene |

#### Outer Shield

##### Outer Shield Material:

| Outer Shield Trade Name | Type  | Outer Shield Material        | Coverage (%) |
|-------------------------|-------|------------------------------|--------------|
| Beldfoil®               | Tape  | Aluminum Foil-Polyester Tape | 100          |
|                         | Braid | TC - Tinned Copper           | 65           |

##### Outer Shield Drain Wire AWG:

| AWG | Stranding | Drain Wire Conductor Material |
|-----|-----------|-------------------------------|
| 24  | Stranded  | TC - Tinned Copper            |

#### Outer Jacket

##### Outer Jacket Material:

| Outer Jacket Material    |
|--------------------------|
| PVC - Polyvinyl Chloride |

#### Overall Cabling

##### Overall Cabling Color Code Chart:

| Number | Color  |
|--------|--------|
| 1      | Black  |
| 2      | White  |
| 3      | Red    |
| 4      | Green  |
| 5      | Brown  |
| 6      | Blue   |
| 7      | Orange |
| 8      | Yellow |
| 9      | Purple |
| 10     | Gray   |

Overall Nominal Diameter: 7.772 mm

### Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +80°C

UL Temperature Rating: 80°C (UL AWM Style 2919)

Bulk Cable Weight: 83.339 Kg/Km

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|  |           |
|--|-----------|
| Min. Bend Radius (Install)/Minor Axis: | 78.740 mm |
|--|-----------|

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

|                                       |                           |
|---------------------------------------|---------------------------|
| NEC/(UL) Specification:               | CM                        |
| CEC/C(UL) Specification:              | CM                        |
| AWM Specification:                    | UL Style 2919 (30 V 80°C) |
| EU CE Mark:                           | Yes                       |
| EU Directive 2000/53/EC (ELV):        | Yes                       |
| EU Directive 2002/95/EC (RoHS):       | Yes                       |
| EU RoHS Compliance Date (mm/dd/yyyy): | 01/01/2004                |
| EU Directive 2002/96/EC (WEEE):       | Yes                       |
| EU Directive 2003/11/EC (BFR):        | Yes                       |
| CA Prop 65 (CJ for Wire & Cable):     | Yes                       |
| MII Order #39 (China RoHS):           | Yes                       |

#### Flame Test

|                |                   |
|----------------|-------------------|
| UL Flame Test: | UL1685 UL Loading |
|----------------|-------------------|

#### Plenum/Non-Plenum

|               |    |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

### Electrical Characteristics (Overall)

#### Nom. Capacitance Conductor to Conductor:

|                    |
|--------------------|
| Capacitance (pF/m) |
|--------------------|

|        |
|--------|
| 39.372 |
|--------|

#### Nom. Capacitance Cond. to Other Conductor & Shield:

|                    |
|--------------------|
| Capacitance (pF/m) |
|--------------------|

|        |
|--------|
| 72.182 |
|--------|

#### Nominal Velocity of Propagation:

|        |
|--------|
| VP (%) |
|--------|

|    |
|----|
| 78 |
|----|

#### Nom. Conductor DC Resistance:

|                     |
|---------------------|
| DCR @ 20°C (Ohm/km) |
|---------------------|

|        |
|--------|
| 78.744 |
|--------|

#### Nominal Outer Shield DC Resistance:

|                     |
|---------------------|
| DCR @ 20°C (Ohm/km) |
|---------------------|

|         |
|---------|
| 10.4336 |
|---------|

#### Max. Operating Voltage - UL:

|         |
|---------|
| Voltage |
|---------|

|                              |
|------------------------------|
| 30 V RMS (UL AWM Style 2919) |
|------------------------------|

|           |
|-----------|
| 300 V RMS |
|-----------|

#### Max. Recommended Current:

|         |
|---------|
| Current |
|---------|

|                               |
|-------------------------------|
| 1.5 Amps per conductor @ 25°C |
|-------------------------------|

### Notes (Overall)

**Notes:** Datalene® insulation features include a low dielectric constant and a low dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

### Related Documents:

No related documents are available for this product

## 9935 Multi-Conductor - Low-Capacitance Computer Cable for EIA RS-232/423

### Put Ups and Colors:

| Item #       | Putup  | Ship Weight | Color  | Notes | Item Desc           |
|--------------|--------|-------------|--------|-------|---------------------|
| 9935 060100  | 30 MT  | 2.585 KG    | CHROME |       | 10 #24 FHDPE SH PVC |
| 9935 0601000 | 305 MT | 24.041 KG   | CHROME | C     | 10 #24 FHDPE SH PVC |
| 9935 060500  | 152 MT | 12.701 KG   | CHROME |       | 10 #24 FHDPE SH PVC |

**Notes:**

C = CRATE REEL PUT-UP.

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