

## 8723 Multi-Conductor - Shielded Twisted Pair Cable

For more Information  
please call

1-800-Belden1



### Description:

22 AWG stranded (7x30) tinned copper conductors, polypropylene insulation, twisted pairs, individually Beldfoil® shielded (100% coverage), 24 AWG stranded tinned copper drain wire, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

| # Pairs | AWG | Stranding | Conductor Material |
|---------|-----|-----------|--------------------|
| 2       | 22  | 7x30      | TC - Tinned Copper |

#### Insulation

Insulation Material:

| Insulation Material |
|---------------------|
| PP - Polypropylene  |

#### Inner Shield

Inner Shield Material:

| Inner Shield Trade Name | Type | Inner Shield Material        | Coverage (%) |
|-------------------------|------|------------------------------|--------------|
| Beldfoil® (Z-Fold®)     | Tape | Aluminum Foil-Polyester Tape | 100          |

Inner Shield Drain Wire AWG:

| AWG |
|-----|
| 24  |

Inner Shield Drain Wire Stranding: 7x32

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

#### Outer Shield

Outer Shield Material:

| Outer Shield Material |
|-----------------------|
| Unshielded            |

#### Outer Jacket

Outer Jacket Material:

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

#### Overall Cabling

Overall Nominal Diameter: 4.064 mm

#### Pair

Pair Color Code Chart:

| Number | Color         |
|--------|---------------|
| 1      | Red & Black   |
| 2      | Green & White |

Pair Lay Length & Direction:

| Lay Length (mm) | Twists/ft. (twist/m) |
|-----------------|----------------------|
| 38.09985        | 26.248               |

### Mechanical Characteristics (Overall)

UL Temperature Rating: 60°C

|  |              |
|--|--------------|
| Non-UL Temperature Rating:             | 80°C         |
| Bulk Cable Weight:                     | 27.234 Kg/Km |
| Max. Recommended Pulling Tension:      | 186.824 N    |
| Min. Bend Radius (Install)/Minor Axis: | 40.640 mm    |

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

|                                       |            |
|---------------------------------------|------------|
| NEC/(UL) Specification:               | CM         |
| CEC/C(UL) Specification:              | CM         |
| 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                  |
| Plenum Number: | 82723, 87723, 88723 |

### Electrical Characteristics (Overall)

#### Nom. Characteristic Impedance:

Impedance (Ohm)

52.000

#### Nom. Inductance:

Inductance (µH/m)

0.55777

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

108.273

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

Capacitance (pF/m)

203.422

#### Nominal Velocity of Propagation:

VP (%)

66

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

48.2307

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: 49.215 Ohm/km

#### Max. Operating Voltage - UL:

Voltage

300 V RMS

#### Max. Recommended Current:

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**Current**

2.3 Amps per conductor @ 25°C

### Related Documents:

No related documents are available for this product

### Put Ups and Colors:

| Item #        | Putup    | Ship Weight | Color  | Notes | Item Desc          |
|---------------|----------|-------------|--------|-------|--------------------|
| 8723 060U1000 | 305 MT   | 8.618 KG    | CHROME |       | 2 SH PR #22 PP PVC |
| 8723 060U2000 | 610 MT   | 16.329 KG   | CHROME |       | 2 SH PR #22 PP PVC |
| 8723 060U500  | 152 MT   | 4.536 KG    | CHROME |       | 2 SH PR #22 PP PVC |
| 8723 060100   | 30 MT    | 1.452 KG    | CHROME |       | 2 SH PR #22 PP PVC |
| 8723 0601000  | 305 MT   | 8.618 KG    | CHROME | C     | 2 SH PR #22 PP PVC |
| 8723 06010000 | 3,048 MT | 86.183 KG   | CHROME | C Y   | 2 SH PR #22 PP PVC |
| 8723 0601640  | 500 MT   | 14.878 KG   | CHROME |       | 2 SH PR #22 PP PVC |
| 8723 0602000  | 610 MT   | 18.144 KG   | CHROME | C     | 2 SH PR #22 PP PVC |
| 8723 0603280  | 1,000 MT | 28.268 KG   | CHROME | C     | 2 SH PR #22 PP PVC |
| 8723 060500   | 152 MT   | 4.309 KG    | CHROME |       | 2 SH PR #22 PP PVC |
| 8723 0605000  | 1,524 MT | 40.824 KG   | CHROME | C     | 2 SH PR #22 PP PVC |
| 8723 0609999  | 3,048 MT | 86.183 KG   | CHROME | C Y   | 2 SH PR #22 PP PVC |

**Notes:**

C = CRATE REEL PUT-UP.

Y = FINAL PUT-UP LENGTH MAY VARY -10% TO +20% FROM LENGTH SHOWN.MAY CONTAIN 2 PIECES. MINIMUM LENGTH OF ANY ONE PIECE IS 1500'.

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