

8723 Multi-Conductor - Shielded Twisted Pair Cable

For more Information
please call

1-800-Belden1



General 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 |

Total Number of Conductors: 4

Insulation

Insulation Material:

| Insulation Material | Wall Thickness (mm) |
|---------------------|---------------------|
| PP - Polypropylene | 0.229 |

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 | Nom. Wall Thickness (mm) |
|--------------------------|--------------------------|
| PVC - Polyvinyl Chloride | 0.508 |

Overall Cable

Overall Nominal Diameter: 4.064 mm

Pair

Pair Color Code Chart:

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

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +75°C

UL Temperature Rating: 60°C

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| | |
|-----------------------------------|--------------|
| Bulk Cable Weight: | 25.299 Kg/Km |
| Max. Recommended Pulling Tension: | 186.824 N |
| Min. Bend Radius/Minor Axis: | 44.450 mm |

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| | |
|---------------------------------------|------------|
| NEC/(UL) Specification: | CM |
| CEC/C(UL) Specification: | CM |
| EU Directive 2011/65/EU (ROHS II): | Yes |
| 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:

Current

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2.3 Amps per conductor @ 25°C

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 06010001 | 3,048 MT | 86.183 KG | CHROME | C | 2 SH PR #22 PP PVC |
| 8723 06015000 | 4,572 MT | 129.274 KG | CHROME | | 2 SH PR #22 PP PVC |
| 8723 0601640 | 500 MT | 14.134 KG | CHROME | | 2 SH PR #22 PP PVC |
| 8723 0602000 | 610 MT | 17.237 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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