

## 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

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

## METRIC MEASUREMENT VERSION

## 8723 Multi-Conductor - Shielded Twisted Pair Cable

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 &amp; Cable): Yes

MIL 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 &amp; 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

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:

## METRIC MEASUREMENT VERSION

### 8723 Multi-Conductor - Shielded Twisted Pair Cable

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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