

## 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

## 8723 Multi-Conductor - Shielded Twisted Pair Cable

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 &amp; 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:	UL 1685 UL Loading
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## 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
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## Max. Operating Voltage - UL:

Voltage
300 V RMS

## Max. Recommended Current:

Current
2.3 Amps per conductor @ 25°C

## 8723 Multi-Conductor - Shielded Twisted Pair Cable

## 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	14.134 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'.

## Test Reports

**a) UL**

- i) UL Test Reports are available on-line through the UL Client Document Access web portal.
- ii) UL Inspection Reports are also available through the UL Client Document Access web portal.

**b) CSA**

- i) CSA "Descriptive Report and Test Results" documents are available on the CSA Gateway Portal.
- ii) CSA Inspection Reports are maintained on the CSA issued 'flash drive' at each manufacturing location.

\* other test data may be available if requested at time of order.

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