

## 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 (in.)
PP - Polypropylene	0.009

#### Inner Shield

Inner Shield Material:

Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)	Description
Beldfoil® (Z-Fold®)	Tape	Aluminum Foil-Polyester Tape	100.000	foil side out

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 (in.)
PVC - Polyvinyl Chloride	0.020

#### Overall Cable

Overall Nominal Diameter: 0.160 in.

#### 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: 17 lbs/1000 ft.

Max. Recommended Pulling Tension: 42 lbs.

Min. Bend Radius/Minor Axis: 1.750 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/UL Specification: CM

CEC/UL Specification: CM

## 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 & Cable):	Yes
MIL Order #39 (China RoHS):	Yes

### Flame Test

UL Flame Test:	UL1685 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/ft)  
0.17

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)  
33.000

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

Capacitance (pF/ft)  
62

#### Nominal Velocity of Propagation:

VP (%)  
66

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)  
14.7

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: 15 Ohm/1000 ft

#### 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	1,000 FT	19.000 LB	CHROME		2 SH PR #22 PP PVC
8723 060U2000	2,000 FT	36.000 LB	CHROME		2 SH PR #22 PP PVC
8723 060U500	500 FT	10.000 LB	CHROME		2 SH PR #22 PP PVC
8723 060100	100 FT	3.200 LB	CHROME		2 SH PR #22 PP PVC
8723 0601000	1,000 FT	19.000 LB	CHROME	C	2 SH PR #22 PP PVC
8723 06010000	10,000 FT	190.000 LB	CHROME	C Y	2 SH PR #22 PP PVC
8723 06010001	10,000 FT	190.000 LB	CHROME	C	2 SH PR #22 PP PVC
8723 06015000	15,000 FT	285.000 LB	CHROME		2 SH PR #22 PP PVC
8723 0601640	1,640 FT	31.160 LB	CHROME		2 SH PR #22 PP PVC
8723 0602000	2,000 FT	38.000 LB	CHROME	C	2 SH PR #22 PP PVC
8723 0603280	3,280 FT	62.320 LB	CHROME	C	2 SH PR #22 PP PVC
8723 060500	500 FT	9.500 LB	CHROME		2 SH PR #22 PP PVC
8723 0605000	5,000 FT	90.000 LB	CHROME	C	2 SH PR #22 PP PVC
8723 0609999	10,000 FT	190.000 LB	CHROME	C Y	2 SH PR #22 PP PVC

#### Notes:

## 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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