

## 88723 Multi-Conductor - Shielded Twisted Pair Cable

For more Information  
please call

1-800-Belden1



### Description:

22 AWG stranded (7x30) tinned copper conductors, FEP insulation, twisted pairs, individually Beldfoil® shielded (100% coverage), 24 AWG stranded (7x32) tinned copper drain wire, FEP jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

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

#### Insulation

Insulation Material:

Insulation Material
FEP - Fluorinated Ethylene Propylene

#### 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
FEP - Fluorinated Ethylene Propylene

#### Overall Cabling

Overall Nominal Diameter: 3.759 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)
44.449825	22.475

### Mechanical Characteristics (Overall)

Operating Temperature Range: -70°C To +200°C

## 88723 Multi-Conductor - Shielded Twisted Pair Cable

<b>Bulk Cable Weight:</b>	29.169 Kg/Km
<b>Max. Recommended Pulling Tension:</b>	204.617 N
<b>Min. Bend Radius (Install)/Minor Axis:</b>	38.100 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

<b>NEC/(UL) Specification:</b>	CMP
<b>CEC/C(UL) Specification:</b>	CMP
<b>EU CE Mark:</b>	Yes
<b>EU Directive 2000/53/EC (ELV):</b>	Yes
<b>EU Directive 2002/95/EC (RoHS):</b>	Yes
<b>EU RoHS Compliance Date (mm/dd/yyyy):</b>	04/01/2005
<b>EU Directive 2002/96/EC (WEEE):</b>	Yes
<b>EU Directive 2003/11/EC (BFR):</b>	Yes
<b>CA Prop 65 (CJ for Wire &amp; Cable):</b>	Yes
<b>MII Order #39 (China RoHS):</b>	Yes

#### Flame Test

<b>UL Flame Test:</b>	NFPA 262
<b>C(UL) Flame Test:</b>	FT6

#### Plenum/Non-Plenum

<b>Plenum (Y/N):</b>	Yes
<b>Non-Plenum Number:</b>	8723

### Electrical Characteristics (Overall)

#### Nom. Characteristic Impedance:

Impedance (Ohm)

40

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

114.835

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

Capacitance (pF/m)

219.827

#### Nominal Velocity of Propagation:

VP (%)

69

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

48.2307

#### Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/km)

49.215

#### Max. Operating Voltage - UL:

Voltage

300 V RMS

#### Max. Recommended Current:

Current

2.3 Amps per conductor @ 25°C

### Notes (Overall)

**Notes:** Non.conduit.

### Related Documents:

No related documents are available for this product

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
88723 002100	30 MT	1.542 KG	RED	C	2 SH PR #22 FEP FEP
88723 0021000	305 MT	8.618 KG	RED	C	2 SH PR #22 FEP FEP
88723 002500	152 MT	4.990 KG	RED	C	2 SH PR #22 FEP FEP
88723 0025000	1,524 MT	45.359 KG	RED		2 SH PR #22 FEP FEP

**Notes:**  
C = CRATE REEL PUT-UP.

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