Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



82723 Multi-Conductor - Double-Pair Cable



For more Information please call

1-800-Belden1



General Description:

22 AWG stranded (7x30) TC conductors, plenum, FEP insulation, twisted pairs, individually shielded w/Beldfoil® (100% coverage), 22 AWG stranded TC drain wire, Flamarrest® jacket.

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Physical Characteristics (Overall)

Conductor

AWG:

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

Total Number of Conductors:

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
FEP - Fluorinated Ethylene Propylene	0.178

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:

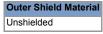


Inner Shield Drain Wire Stranding: 7x32

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

Outer Shield

Outer Shield Material:



Outer Jacket

Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material	Nom. Wall Thickness (mm)	
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.432	

Overall Cable

Overall Nominal Diameter: 3.886 mm

Pair

Pair Color Code Chart:

Number	Color
1	Red & Black
2	Green & White

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +90°C
Bulk Cable Weight:	28.276 Kg/Km

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Max. Recommended Pulling Tension:	204.617 N		
Min. Bend Radius/Minor Axis:	44.450 mm		

Applicable Specifications and Agency Compliance (Overall) Applicable Standards & Environmental Programs NEC/(UL) Specification: CMP **NEC Articles:** 800 CEC/C(UL) Specification: CMP 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): 04/01/2005 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: NFPA 262**

FT6

Yes

Yes

8723

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Non-Plenum Number:

Impedance (Ohm) 36

CSA Flame Test:

Suitability - Indoor:

Plenum/Non-Plenum Plenum (Y/N):

Suitability

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m) 141.083

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m) 246.075

Nominal Velocity of Propagation:

VP (%) 62

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

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Max. Recommended Current:

Description	Current	
10C temperature rise	2.3 Amps per conductor @25°C ambient	l

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
82723 877U1000	1,000 FT	20.000 LB	NATURAL		2 PR #22 FEP FS FLRST
82723 877U2000	2,000 FT	40.000 LB	NATURAL		2 PR #22 FEP FS FLRST
82723 877U500	500 FT	10.500 LB	NATURAL		2 PR #22 FEP FS FLRST
82723 8771000	1,000 FT	20.000 LB	NATURAL	С	2 PR #22 FEP FS FLRST
82723 8775000	5,000 FT	100.000 LB	NATURAL		2 PR #22 FEP FS FLRST

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 3 Revision Date: 08-02-2013

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