# **Detailed Specifications & Technical Data**

METRIC MEASUREMENT VERSION



## 87723 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 Beldfoil® (100% coverage), 24 AWG stranded TC drain wire, fluorocopolymer 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		Туре	Inner Shield Material	Coverage (%)
	Beldfoil® (Z-Fold®)	Tape	Aluminum Foil-Polyester Tape	100

## Inner Shield Drain Wire AWG:

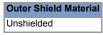


Inner Shield Drain Wire Stranding: 7x32

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

## **Outer Shield**

### **Outer Shield Material:**



## **Outer Jacket**

## **Outer Jacket Material:**

Outer Jacket Material	Nom. Wall Thickness (mm)
PVDF - Fluorocopolymer	0.356

## **Overall Cable**

Overall Nominal Diameter: 3.759 mm

## **Pair**

## Pair Color Code Chart:

Number	Color
1	Red & Black
2	Green & White

## **Mechanical Characteristics (Overall)**

Operating Temperature Range:	-20°C To +150°C	
Bulk Cable Weight:	26.788 Kg/Km	

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Max. Recommended Pulling Tension:	204.617 N
Min. Bend Radius/Minor Axis:	38.100 mm

# **Applicable Specifications and Agency Compliance (Overall)**

## **Applicable Standards & Environmental Programs**

Applicable Standards & Environmental Programs				
NEC/(UL) Specification:	CMP			
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			
CSA Flame Test:	FT6			
Plenum/Non-Plenum				
Plenum (Y/N):	Yes			
Non-Plenum Number:	8723			

# **Electrical Characteristics (Overall)**

Nom. Characteristic Impedance:



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 (%)** 

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 48.2307

Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/km) 49.215

**Nominal Conductor Loop Resistance:** 

Resistance @ 20°C (Ohm/km) 111.554

Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Recommended Current:

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Current 2.3 Amps per conductor @ 25°C

## **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
87723 0021000	1,000 FT	20.000 LB	RED	С	2 SH PR #22 FEP SOLEF
87723 002500	500 FT	11.000 LB	RED	С	2 SH PR #22 FEP SOLEF

#### Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 11-05-2012

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