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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.

## 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)
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:

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)
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

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

NEC/(UL) Specification: CMP

CEC/C(UL) Specification: CMP

EU Directive 2011/65/EU (ROHS II): Yes

## METRIC MEASUREMENT VERSION

## 87723 Multi-Conductor - Double-Pair Cable

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:

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

#### Nominal Conductor Loop Resistance:

Resistance @ 20°C (Ohm/km)  
111.554

#### 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
87723 0021000	1,000 FT	20.000 LB	RED	C	2 SH PR #22 FEP SOLEF
87723 002500	500 FT	11.000 LB	RED	C	2 SH PR #22 FEP SOLEF

#### Notes:

C = CRATE REEL PUT-UP.

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