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1-800-Belden1



### General Description:

22 AWG stranded (7x30) TC conductors, plenum, FEP insulation, twisted pair, overall Beldfoil® shield (100% coverage), 22 AWG stranded TC drain wire, FEP jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
1	22	7x30	TC - Tinned Copper

Total Number of Conductors: 2

#### Insulation

Insulation Material:

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

#### Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
22	Stranded	TC - Tinned Copper

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
FEP - Fluorinated Ethylene Propylene	0.356

#### Overall Cable

Overall Cabling Lay Length & Direction:

Length (mm)	Direction	Twists (twist/m)
38,100	Left Hand	26,248

Overall Nominal Diameter: 2.946 mm

#### Pair

Pair Color Code Chart:

Number	Color
1	Black & Red

### Mechanical Characteristics (Overall)

Operating Temperature Range:	-70°C To +200°C
Bulk Cable Weight:	19.347 Kg/Km
Max. Recommended Pulling Tension:	120.101 N
Min. Bend Radius/Minor Axis:	31.750 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
MIL Order #39 (China RoHS):	Yes

**Flame Test**

UL Flame Test:	NFPA 262
CSA Flame Test:	FT6

**Suitability**

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

**Plenum/Non-Plenum**

Plenum (Y/N):	Yes
Non-Plenum Number:	8761

**Electrical Characteristics (Overall)**

**Nom. Characteristic Impedance:**

Impedance (Ohm)

42

**Nom. Inductance:**

Inductance (µH/m)

0.52496

**Nom. Capacitance Conductor to Conductor:**

Capacitance (pF/m)

114.835

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

Capacitance (pF/m)

219.827

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/km)

49.215

**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/km)

39.372

**Max. Operating Voltage - UL:**

Voltage

300 V RMS

**Max. Recommended Current:**

Description	Current
10C temperature rise	2.8 Amps per conductor @ 25°C ambient

**Notes (Overall)**

**Notes:** For use in indoor plenum environments but also suitable for outdoor and underground applications. Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
88761 002U1000	1,000 FT	15.000 LB	RED		2 #22 FEP FS FEP
88761 002100	100 FT	2.800 LB	RED	C	2#22 FEP FS FEP
88761 0021000	1,000 FT	15.000 LB	RED	C	2#22 FEP FS FEP
88761 002500	500 FT	8.000 LB	RED	C	2#22 FEP FS FEP
88761 0025000	5,000 FT	70.000 LB	RED		2 #22 FEP FS FEP

**Notes:**

C = CRATE REEL PUT-UP.

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

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