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1-800-Belden1



### Description:

18 AWG stranded (19x30) TC conductors, plenum, FEP insulation, twisted pair, overall Beldfoil® shield (100% coverage), 20 AWG stranded TC drain wire, FEP jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Pairs	AWG	Stranding	Conductor Material
1	18	19x30	TC - Tinned Copper

#### Insulation

##### Insulation Material:

Insulation Material	Wall Thickness (mm)
FEP - Fluorinated Ethylene Propylene	0.1778

#### Outer Shield

##### Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil® (with shorting fold)	Tape	Aluminum Foil-Polyester Tape	100.000

##### Outer Shield Drain Wire AWG:

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

#### Outer Jacket

##### Outer Jacket Material:

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

#### Overall Cabling

Overall Nominal Diameter: 3.708 mm

#### Pair

##### Pair Color Code Chart:

Number	Color
1	Black & Red

##### Pair Lay Length & Direction:

Lay Length (mm)	Twists/ft. (twist/m)
50.7998	19.686

### Mechanical Characteristics (Overall)

Operating Temperature Range:	-70°C To +200°C
Bulk Cable Weight:	32.740 Kg/Km
Max. Recommended Pulling Tension:	284.685 N
Min. Bend Radius (Install)/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 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
C(UL) Flame Test:	FT6

### Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Burial:	Yes
Oil Resistance:	Yes

### Plenum/Non-Plenum

Plenum (Y/N):	Yes
Non-Plenum Number:	8760

## Electrical Characteristics (Overall)

#### Nom. Characteristic Impedance:

Impedance (Ohm)

29

#### Nom. Inductance:

Inductance (µH/m)

0.49215

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

167.331

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

Capacitance (pF/m)

318.257

#### Nominal Velocity of Propagation:

VP (%)

69

#### Nominal Delay:

Delay (ns/m)

4.82307

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

18.0455

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

23.9513

#### Max. Operating Voltage - UL:

Voltage

300 V RMS

**Max. Recommended Current:**

**Current**

5.4 Amps per conductor @ 25°C

### Notes (Overall)

**Notes:** For use in indoor plenum environments but also suitable for outdoor and underground applications.

### Related Documents:

No related documents are available for this product

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
88760 002U1000	305 MT	10.886 KG	RED		2 #18 FEP SH FEP
88760 002U500	152 MT	5.670 KG	RED		2 #18 FEP SH FEP
88760 002100	30 MT	1.678 KG	RED		2#18 FEP SH FEP
88760 0021000	305 MT	10.886 KG	RED	C	2#18 FEP SH FEP
88760 002500	152 MT	4.990 KG	RED	C	2#18 FEP SH FEP
88760 0025000	1,524 MT	49.895 KG	RED		2 #18 FEP SH FEP

**Notes:**

C = CRATE REEL PUT-UP.

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