

## 88761 Multi-Conductor - Single-Pair Cable

For more Information  
please call

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 (in.)
FEP - Fluorinated Ethylene Propylene	0.007

**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 (in.)
FEP - Fluorinated Ethylene Propylene	0.014

**Overall Cable**

Overall Cabling Lay Length & Direction:

Length (in.)	Direction	Twists (twist/ft)
1.500	Left Hand	8.000

Overall Nominal Diameter: 0.116 in.

**Pair**

Pair Color Code Chart:

Number	Color
1	Black & Red

**Mechanical Characteristics (Overall)**

Operating Temperature Range: -70°C To +200°C

Bulk Cable Weight: 13 lbs/1000 ft.

Max. Recommended Pulling Tension: 27 lbs.

Min. Bend Radius/Minor Axis: 1.250 in.

## 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
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/ft)

.16

### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

35

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

Capacitance (pF/ft)

67

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

15

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

12

### Max. Operating Voltage - UL:

Voltage

300 V RMS

### Max. Recommended Current:

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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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