

 **Part Number:** 88761Single-Pair, (1 pr) 22 AWG (7x30) TC, FEP/FEP, Foil Shld,  
CMP

## Product Description

One 22 AWG pair stranded (7x30) tinned copper conductors, twisted pair, FEP insulation, overall Beldfoil® shield (100% coverage), FEP jacket.

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

AWG	Stranding	Material	No. of Pairs
22	7x30	TC - Tinned Copper	1
Total Number of Conductors:			2

#### Insulation:

Material	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.007 in

#### Color Chart 1:

Number	Color
1	Black & Red

#### Cabling 1:

Lay Length	Lay Direction	Twists
1.5 in	Left Hand	8 twist/ft

#### Outershield 1:

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape	Beldfoil®	100 %	TC - Tinned Copper	22	Stranded mm

#### Outerjacket 1:

Material	Nominal Diameter	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.116 in	0.014 in

## Electrical Characteristics

### Conductor DCR:

Nominal Conductor DCR	Nominal Outer Shield DCR
15 Ohm/1000ft	12 Ohm/1000ft

### Capacitance:

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
35 pF/ft	67 pF/ft

### Impedance:

Nominal Characteristic Impedance
42 Ohm

### Current:

Element	Max. Recommended Current [A]
10C temperature rise	2.8 Amps per conductor @ 25°C ambient

### Inductance:

Nominal Inductance
0.16 µH/ft

### Voltage:

UL Voltage Rating
300 V RMS

## Use

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Max Recommended Pulling Tension:	27 lbs

## Safety

CSA Flammability:	FT6
UL Flammability:	NFPA 262

## Temperature Range

Operating Temp Range:	-70°C To +200°C
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Mechanical Characteristics

Min Bend Radius/Minor Axis:	1.25 in
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Part Number

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

Standards

CA Prop 65 (CJ for Wire & Cable):	CA Prop 65 (CJ for Wire & Cable)
CEC/C(UL) Specification:	CEC/C(UL) Specification
MII Order #39 (China RoHS):	MII Order #39 (China RoHS)
NEC Articles:	NEC Articles
NEC/(UL) Specification:	NEC/(UL) Specification
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	EU CE Mark

History

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.
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Product Variants

Part Number	Color	Put-Up Type	Length
88761 0021000	RED	Reel	1000 ft
88761 002100	RED	Reel	100 ft
88761 0025000	RED	Reel	5000 ft
88761 002500	RED	Reel	500 ft
88761 002U1000	RED	UnReel	1000 ft

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