



**Part Number: 82761**

Single-Pair, (1 pr) 22 AWG (7x30) TC, FEP/LS PVC, Foil Shld, CMP

[Request Sample](#)

## Product Description

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

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Pairs
22	7x30	TC - Tinned Copper	1

Conductor Count:	2
Total Number of Pairs:	1
Conductor Size:	22 AWG

#### Insulation

Material	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.0065 in

#### Color Chart

Number	Color
1	Black & Red

#### Outer Shield Material

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

#### Outer Jacket Material

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness
LS PVC - Low Smoke Polyvinyl Chloride	Flamarrest®	0.118 in	0.015 in

### Construction and Dimensions

#### Stranding

Lay Direction	Twists
Left Hand	8 twist/ft

### 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

#### Inductance

**Nominal Inductance**

0.16 µH/ft

**Impedance****Nominal Characteristic Impedance**

42 Ohm

**Current**

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

**Voltage****UL Voltage Rating**

300 V RMS

**Temperature Range**

Operating Temp Range:	-20°C To +75°C
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**Mechanical Characteristics**

Bulk Cable Weight:	11 lbs/1000ft
Max Recommended Pulling Tension:	27 lbs
Min Bend Radius/Minor Axis:	1.25 in

**Standards**

NEC Articles:	800
NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP
CPR Euroclass:	Eca

**Applicable Environmental and Other Programs**

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

**Suitability**

Suitability - Indoor:	Yes
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**Flammability, LSOH, Toxicity Testing**

UL Flammability:	NFPA 262
CSA Flammability:	FT6
UL voltage rating:	300 V RMS

**Plenum/Non-Plenum**

Plenum (Y/N):	Yes
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**Part Number**

Non-Plenum Number:	8761
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**Variants**

Item #	Color	Footnote
82761 8771000	Natural	C
82761 8775000	Natural	
82761 877U1000	Natural	
82761 877U500	Natural	

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