



**Part Number: 82761**

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

## 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

Total Number of Conductors:	2
Total Number of Pairs:	1

#### 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 Foil-Polyester Tape	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 Length	Lay Direction	Twists
1.5 in	Left Hand	8 twist/ft

### Electrical Characteristics

#### Capacitance

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

#### Conductor DCR

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

#### 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
300V 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, LS0H, Toxicity Testing

UL Flammability:	NFPA 262
CSA Flammability:	FT6

Part Number

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

Variants

Item #	Color
82761 8771000	NATURAL

82761 8775000	NATURAL
82761 877U1000	NATURAL
82761 877U500	NATURAL

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