



**Part Number:** 88442

Audio/Control/Instrumentation, (1 pr) 22 AWG (7x30)  
TC, FEP/FEP, CMP

## Product Description

One 22 AWG pair stranded (7x30) tinned copper conductors, twisted pairs, fluorinated ethylene propylene (FEP) insulation, fluorinated ethylene propylene (FEP) jacket.

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

AWG	Stranding	Material	No. of Pairs
22	7X30	TC - Tinned Copper	1
<b>Total Number of Conductors:</b>			2

#### Insulation:

Material	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.007 in

#### Color Chart 1:

Number	Color
1	Black & Red

#### Outersheild 1:

Material
Unshielded

## Outerjacket 1:

Material	Nominal Diameter	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.102 in	0.009 in

## Electrical Characteristics

### Conductor DCR:

Nominal Conductor DCR	Nominal Conductor Loop DCR
15 Ohm/1000ft	30 Ohm/1000ft

### Capacitance:

Nom. Capacitance Conductor to Conductor
17 pF/ft

### Current:

Max. Recommended Current [A]
3.3 Amps per conductor @ 25°C (10°C rise in temp)

### Inductance:

Nominal Inductance
0.15 µH/ft

### Voltage:

UL Voltage Rating
300 V RMS

## Use

Suitability - Burial:	Yes
Suitability - Outdoor:	Yes
Max Recommended Pulling Tension:	15 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:	8442

## 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/(UL) Specification:	NEC/(UL) Specification
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	EU CE Mark

## History

## Product Variants

Part Number	Color	Put-Up Type	Length
88442 0021000	RED	Reel	1000 ft
88442 002100	RED	Reel	100 ft
88442 002500	RED	Reel	500 ft

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