



**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.

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

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

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

#### Insulation

Material	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.0065 in

#### Color Chart

Number	Color
1	Black & Red

#### Outer Shield Material

Material
Unshielded

#### Outer Jacket Material

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

#### Inductance

Nominal Inductance
0.15 $\mu$ H/ft

#### Current

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

#### Voltage

<b>UL Voltage Rating</b>
300V RMS

## Temperature Range

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

Bulk Cable Weight:	8 lbs/1000ft
Max Recommended Pulling Tension:	15 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 - Burial:	Yes
Suitability - Outdoor:	Yes

## Flammability, LS0H, Toxicity Testing

UL Flammability:	NFPA 262
CSA Flammability:	FT6

## Part Number

Plenum (Y/N):	Yes
Non-Plenum Number:	8442

## Variants

Item #	Color	Footnote
88442 002100	RED	
88442 0021000	RED	C
88442 002500	RED	C

Footnote:	C - CRATE REEL PUT-UP.
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