



**Product:** [82442](#) 

Electronic, 2 C #22 Str TC, FEP Ins, PVC Jkt, CMP

 [Request Sample](#)

## Product Description

Electronic Cable, 2 Conductor 22AWG (7x30) Tinned Copper, FEP Insulation, PVC Outer Jacket, CMP

## Technical Specifications

### Product Overview

Suitable Applications:	indoor plenum applications; low voltage analog signals (4-20ma, 0-10v, ...); low voltage control (24v, ...); line level audio; voice communications; panel wiring
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### Construction Details

#### Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	2	22	7x30	TC - Tinned Copper

#### Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
FEP - Fluorinated Ethylene Propylene	0.0065 in (0.17 mm)	0.042 in (1.1 mm)	Black & Red

#### Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.015 in (0.38 mm)	0.114 in (2.90 mm)

### Electrical Characteristics

#### Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Inductance	Max. Current
17.8 Ohm/1000ft	17 pF/ft (56 pF/m)	0.15 µH/ft (0.49 µH/m)	3.3 Amps per Conductor at 25°C (10°C Temperature Rise)

#### Voltage

UL Voltage Rating
300 V

### Mechanical Characteristics

#### Temperature

Operating
0°C To +60°C

#### Bend Radius

Stationary Min.	Installation Min.
1.14 in (29.0 mm)	1.14 in (29.0 mm)

Max. Pull Tension:	18 lbs (8.2 kg)
Bulk Cable Weight:	8 lbs/1000ft

### Standards and Compliance

Environmental Suitability:	Outdoor
Flammability / Reaction to Fire:	NFPA 262, FT6, IEC 60332-1-2

CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CMP
CEC / C(UL) Compliance:	CMP
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Non-Plenum Number:	8442

## History

Update and Revision:	Revision Number: 0.506 Revision Date: 09-07-2025
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## Part Numbers

### Variants

Item #	Color	Putup Type	Length	UPC	Footnote
82442 8771000	Natural	Reel	1,000 ft	612825197089	C
82442 877U1000	Natural	UnReel	1,000 ft	612825197072	

Footnote:	C - CRATE REEL PUT-UP.
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