



**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

### Physical Characteristics (Overall)

#### Conductor

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

Conductor Count: 2

#### Insulation

Material	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.0065 in

#### Color Chart

Number	Color
1	Black & Red

#### Outer Shield Material

Material
No Shield

#### Outer Jacket Material

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	Flamarrest®	0.113 in	0.0145 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 µH/ft

#### Current

Max. Recommended Current [A]

3.3 Amps per Conductor at 25°C (10°C Temperature Rise)

## Voltage

### UL Voltage Rating

300 V RMS

## Temperature Range

Operating Temp Range: 0°C To +60°C

## Mechanical Characteristics

Bulk Cable Weight: 8 lbs/1000ft

Max. Pull Tension: 15 lbs

Min Bend Radius/Minor Axis: 1.25 in

## Standards

NEC Articles: Article 800

NEC/(UL) Compliance: CMP

CEC/C(UL) Compliance: 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): 2005-10-01

MII Order #39 (China RoHS): Yes

## Flammability, LSOH, Toxicity Testing

UL Flammability: NFPA 262

CSA Flammability: FT6, FT4

IEC Flammability: IEC 60332-1-2

UL voltage rating: 300 V RMS

## Plenum/Non-Plenum

Plenum (Y/N): Yes

## Part Number

Non-Plenum Number: 8442

## Variants

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

Footnote: C - CRATE REEL PUT-UP.

## History

Update and Revision: Revision Number: 0.303 Revision Date: 06-24-2020

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