



**Product:** [82760](#) 

Electronic, 2 C #18 Str TC, FEP Ins, OS, PVC Jkt, CMP

 [Request Sample](#)

## Product Description

Electronic Cable, 2 Conductor 18AWG (19x30) Tinned Copper, FEP Insulation, Overall Beldfoil® Shield, PVC Outer Jacket, CMP

## Technical Specifications

### Product Overview

Suitable Applications:	indoor plenum applications; low voltage analog signals (4-20ma, 0-10v, ...); low voltage digital 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)	1	18 AWG	19x30	TC - Tinned Copper

#### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	FEP - Fluorinated Ethylene Propylene	0.007 in (0.18 mm)	0.057 in (1.4 mm)	Black & Red

#### Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	20 AWG (7x28) TC

#### Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.014 in (0.36 mm)	0.146 in (3.71 mm)

Overall Cable Diameter (Nominal):	0.146 in (3.71 mm)
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### Electrical Characteristics

#### Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedance	Nom. Delay	Nom. Inductance	Nom. Velocity of Prop.	Max. Current
Pair(s)	7.05 Ohm/1000ft	51 pF/ft (170 pF/m)	97 pF/ft (320 pF/m)	35 Ohm	1.47 ns/ft	0.15 µH/ft (0.49 µH/m)	69%	5 Amps per Conductor at 25°C

Nom Outer Shield DCR:	8.49 Ohm/1000ft (27.9 Ohm/km)
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#### Voltage

UL Voltage Rating
300 V (CMP)

### Mechanical Characteristics

#### Temperature

UL Temperature	Operating
75°C	-20°C to +75°C

#### Bend Radius

Stationary Min.	Installation Min.

1.46 in (37.1 mm) 1.46 in (37.1 mm)

Max. Pull Tension: 62 lbs (28 kg)

Bulk Cable Weight: 20 lbs/1000ft

## Standards and Compliance

Environmental Suitability: Indoor - Plenum, Indoor

Flammability / Reaction to Fire: NFPA 262, UL 910 (Plenum), FT6

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: 8760

## History

Update and Revision: Revision Number: 0.542 Revision Date: 02-20-2026

## Part Numbers

### Variants

Item #	Color	Putup Type	Length	UPC	Footnote
82760 877U500	Natural	UnReel	500 ft	612825197737	
82760 8771000	Natural	Reel	1,000 ft	612825197744	C
82760 877U1000	Natural	UnReel	1,000 ft	612825197720	
82760 8775000	Natural	Reel	5,000 ft	612825197751	

Footnote: C - CRATE REEL PUT-UP.

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