



**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	Number of Element	Size	Stranding	Material
Pair(s)	1	18 AWG	19x30	TC - Tinned Copper

#### Insulation

Element	Material	Nom. Thickness	Color Code
Pair(s)	FEP - Fluorinated Ethylene Propylene	0.007 in (0.18 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. Velocity of Prop.	Max. Current
Pair(s)	5.5 Ohm/1000ft (18 Ohm/km)	51 pF/ft (170 pF/m)	97 pF/ft (320 pF/m)	35 Ohm	69%	5.4 Amps per Conductor at 25°C

#### Voltage

UL Voltage Rating
300 V (CMP)

### Mechanical Characteristics

#### Temperature

Operating
-20°C to +75°C

#### Bend Radius

Stationary Min.	Installation Min.
1.5 in (38 mm)	1.5 in (38 mm)

Max. Pull Tension:	62 lbs
Bulk Cable Weight:	20 lbs/1000ft (30 kg/km)

## Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	NFPA 262 Plenum Flame Test (UL910), 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)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Non-Plenum Number:	8760

## History

Update and Revision:	Revision Number: 0.389 Revision Date: 12-15-2021
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## Variants

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

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