



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@Cond DCR1-cnvt:	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: 0.541 Revision Date: 09-07-2025
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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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