



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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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Pairs
18	19x30	TC - Tinned Copper	1

Conductor Count:	2
Total Number of Pairs:	1

Insulation

Material	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.0065 in

Color Chart

Number	Color
1	Black & Red

Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Alum / Poly	Beldfoil® with shorting fold	100 %	TC - Tinned Copper	20	Stranded

Outer Jacket Material

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness
PVC-LS - Polyvinyl Chloride (Low Smoke)	Flamarrest®	0.146 in	0.014 in

Construction and Dimensions

Stranding

Lay Direction	Twists
Left Hand	6 twist/ft

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
5.5 Ohm/1000ft	7.3 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
51 pF/ft	97 pF/ft

Inductance

Nominal Inductance

0.15 µH/ft

Impedance

Nominal Characteristic Impedance

35 Ohm

Delay

Nominal Delay | Nominal Velocity of Propagation (VP) [%]

1.47 ns/ft | 69 %

Current

Element	Max. Recommended Current [A]
10C Temperature Rise	5.4 Amps per conductor @ 25°C ambient

Voltage

UL Voltage Rating

300 V RMS

Temperature Range

Operating Temp Range: -20°C To +75°C

Mechanical Characteristics

Bulk Cable Weight:	20 lbs/1000ft
Max Recommended Pulling Tension:	64 lbs
Min Bend Radius/Minor Axis:	1.5 in

Standards

NEC Articles:	800
NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	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):	2005-04-01
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor: Yes

Flammability, LSOH, Toxicity Testing

UL Flammability:	NFPA 262
CSA Flammability:	FT6
ISO/IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N): Yes

Part Number

Non-Plenum Number: 8760

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

Footnote: C - CRATE REEL PUT-UP.

History

Update and Revision: Revision Number: 0.322 Revision Date: 04-28-2020

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