



## Product: [82740](#)

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

 [Request Sample](#)

### Product Description

Electronic Cable, 2 Conductor 18AWG (19x30) 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 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

##### 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-LS - Polyvinyl Chloride (Low Smoke)	Flamarrest®	0.143 in	0.0145 in

#### Electrical Characteristics

##### Conductor DCR

Nominal Conductor DCR
5.5 Ohm/1000ft

##### Capacitance

Nom. Capacitance Conductor to Conductor
20 pF/ft

##### Inductance

Nominal Inductance
0.14 $\mu$ H/ft

##### Impedance

Nominal Characteristic Impedance
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72 Ohm

**Current****Max. Recommended Current [A]**

5.4 Amps per conductor @ 25°C

**Voltage****UL Voltage Rating**

300 V RMS

**Temperature Range**

Operating Temp Range: -20°C To +60°C

**Mechanical Characteristics**

Bulk Cable Weight:	15 lbs/1000ft
Max Recommended Pulling Tension:	50 lbs
Min Bend Radius/Minor Axis:	1.5 in

**Standards**

NEC(UL) Specification:	CL3P, 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):	2005-10-01
MII Order #39 (China RoHS):	Yes

**Flammability, LS0H, 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
Plenum Number:	9740

**Part Number**

Non-Plenum Number:	9740
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**Variants**

Item #	Color	Putup Type	Length	UPC
82740 8771000	Natural	Reel	1,000 ft	612825197652
82740 877U1000	Natural	UnReel	1,000 ft	612825197645
82740 8775000	Natural	Reel	5,000 ft	612825197669

Footnote: C - CRATE REEL PUT-UP.

**History**

Update and Revision:	Revision Number: 0.304 Revision Date: 04-28-2020
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