



Product: [87740](#)

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

[Request Sample](#)

Product Description

High Temperature Electronic, 2 Conductor 18AWG (19x30) Tinned Copper, FEP Insulation, PVDF Outer Jacket, CMP

Technical Specifications

Product Overview

Suitable Applications:	extreme high temperature environments; chemical resistant; outdoor and burial 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
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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	Nominal Diameter	Nominal Wall Thickness
PVDF - Polyvinylidene Fluoride	0.136 in	0.011 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Conductor Loop DCR
5.5 Ohm/1000ft	11 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor
20 pF/ft

Inductance

Nominal Inductance
0.14 μ H/ft

Impedance

Nominal Characteristic Impedance

72 Ohm

Voltage**UL Voltage Rating**

300 V RMS

Temperature Range

Operating Temp Range: -20°C To +150°C

Mechanical Characteristics

Bulk Cable Weight: 15 lbs/1000ft

Max Recommended Pulling Tension: 49 lbs

Min Bend Radius/Minor Axis: 1.5 in

Standards

NEC Articles: 800

NEC/(UL) Specification: CL3P, CMP

CEC/C(UL) Specification: CMP

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

Flammability, LS0H, Toxicity Testing

UL Flammability: NFPA 262

CSA Flammability: FT6

UL voltage rating: 300 V RMS

Plenum/Non-Plenum

Plenum (Y/N): Yes

Part Number

Non-Plenum Number: 9740

Variants

Item #	Color	Putup Type	Length	UPC
87740 0021000	Red	Reel	1,000 ft	612825215936

Footnote: C - CRATE REEL PUT-UP.

History

Update and Revision: Revision Number: 0.292 Revision Date: 04-28-2020

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