



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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Construction Details

Conductor

Element	Number of Element	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	0.0065 in (0.17 mm)	0.057 in (1.4 mm)	Black & Red

Outer Shield

Material
No Shield

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVDF - Polyvinylidene Fluoride	0.011 in (0.28 mm)	0.136 in

Overall Cable Diameter (Nominal):	0.136 in.
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Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Characteristic Impedance	Max. Current
7.1 Ohm/1000ft	20 pF/ft (66 pF/m)	72 Ohm	8.2 Amps per Conductor at 25°C

Voltage

UL Voltage Rating
300 V

Mechanical Characteristics

Temperature

UL Temperature	Operating
150°C	-20°C To +150°C

Bend Radius

Stationary Min.	Installation Min.
1.36 in (34.5 mm)	1.36 in

Max. Pull Tension:	49 lbs (22 kg)
Bulk Cable Weight:	15 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	NFPA 262 (UL 910), FT6
NEC / UL Compliance:	Article 725, Article 800, CL3P, 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:	9740

History

Update and Revision:	Revision Number: 0.377 Revision Date: 04-08-2022
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Part Numbers

Variants

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

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