



Product: [88489](#)

Electronic, 4 C #18 Str TC, FEP Ins, FEP Jkt, CMP

Request Sample

Product Description

High Temperature Electronic, 4 Conductor 18AWG (19x30) Tinned Copper, FEP Insulation, FEP Outer Jacket, CMP

Technical Specifications

Product Overview

Suitable Applications:	extreme high/low temperature environments; chemical resistant; outdoor and burial applications; low voltage analog signals (4-20ma, 0-10v, ...); low voltage control (24v, ...); line level audio; voice communications; panel wiring
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Physical Characteristics (Overall)

Conductor			
AWG	Stranding	Material	No. of Conductors
18	19x30	TC - Tinned Copper	4
Conductor Count:			4

Insulation	
Material	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.0065 in

Color Chart	
Number	Color
1	Black
2	White
3	Red
4	Green

Outer Shield

Material
No Shield

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.156 in	0.009 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
6.4 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor
21 pF/ft

Current

Max. Recommended Current [A]

11.52 Amps per Conductor at 25°C

Voltage

UL Voltage Rating

300 V RMS

Temperature Range

Operating Temp Range: -70°C To +200°C

Mechanical Characteristics

Bulk Cable Weight: 28 lbs/1000ft

Max. Pull Tension: 100 lbs

Min. Bend Radius/Minor Axis: 1.75 in

Standards

NEC Articles: Article 800

NEC/(UL) Compliance: CL3P, CMP

CEC/C(UL) Compliance: 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 2): Yes

EU Directive 2012/19/EU (WEEE): Yes

EU Directive 2015/863/EU (RoHS 2 amendment): Yes

EU Directive Compliance: EU Directive 2003/11/EC (BFR)

EU CE Mark: Yes

MII Order #39 (China RoHS): Yes

Suitability

Suitability - Burial: Yes

Suitability - Outdoor: 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: 8489

Variants

Item #	Color	Put-Up Type	Length	UPC
88489 0021000	Red	Reel	1,000 ft	612825217046

Footnote: C - CRATE REEL PUT-UP.

History

Update and Revision: Revision Number: 0.340 Revision Date: 08-27-2021

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