



Product: [89740](#)

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

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Product Description

High Temperature Electronic, 2 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 digital control (24v, ...); line level audio; voice communications; panel wiring
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Construction Details

Conductor

Element	Number of Element	AWG	Stranding	Material
Pair(s)	1	18	19x30	TC - Tinned Copper

Insulation

Element	Material	Thickness [in.]	Color Code
Pair(s)	FEP - Fluorinated Ethylene Propylene	0.007	Black & Red

Outer Jacket Material

Material	Thickness	Nom. Diameter
FEP - Fluorinated Ethylene Propylene	0.009 in	0.132 in

Cable Diameter (Nominal): 0.132 in

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Characteristic Impedance	Max. Current
Pair(s)	5.5 Ohm/1000ft	20 pF/ft	72 Ohm	5.4 Amps per Conductor at 25°C

Voltage

UL Voltage Rating
300 V (CMP), 150 V (CL3P)

Mechanical Characteristics

Temperature

UL Rating	Operating
150°C	-70°C to +200°C

Bend Radius

Stationary Min.	Installation Min.
1.5 in	1.3 in

Max. Pull Tension:	49 lbs
Bulk Cable Weight:	15 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Oil Resistance, Burial
Sustainability:	CA Prop 65
Flammability / Fire Resistance:	NFPA 262, FT6, IEC 60332-1-2
NEC / UL Compliance:	Article 800, CMP, CL3P
CEC / C(UL) Compliance:	CMP
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Non-Plenum Number:	9740

Product Notes

Notes:	For use in indoor plenum environments but also suitable for outdoor and underground applications. Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.
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History

Update and Revision:	Revision Number: 0.345 Revision Date: 09-30-2020
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