



Product: [89740](#)

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

[Request Sample](#)

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	Size	Stranding	Material
Pair(s)	1	18 AWG	19x30	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Color Code
Pair(s)	FEP - Fluorinated Ethylene Propylene	0.007 in (0.18 mm)	Black & Red

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
FEP - Fluorinated Ethylene Propylene	0.009 in (0.23 mm)	0.132 in (3.35 mm)

Overall Cable Diameter (Nominal):	0.132 in (3.35 mm)
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Characteristic Impedance	Max. Current
Pair(s)	5.5 Ohm/1000ft (18 Ohm/km)	20 pF/ft (66 pF/m)	72 Ohm	5.4 Amps per Conductor at 25°C

Voltage

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

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.	Installation Min.
1.3 in (33 mm)	1.3 in (33 mm)

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

Standards and Compliance

Environmental Suitability:	Indoor - Plenum, Indoor, Oil Resistance, Burial
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	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 (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

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: 0.358 Revision Date: 04-08-2022
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
89740 002100	Red	Reel	100 ft	612825221227
89740 002500	Red	Reel	500 ft	612825221258
89740 0021000	Red	Reel	1,000 ft	612825221234
89740 0023000	Red	Reel	3,000 ft	612825221241
89740 0025000	Red	Reel	5,000 ft	612825221265

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