



Part Number: 89740

Audio/Control/Instrumentation, (1 pr) 18 AWG (19x30)
TC, FEP/FEP, CMP

Product Description

One 18 AWG pair stranded (19x30) tinned copper conductors, twisted pair, fluorinated ethylene propylene (FEP) insulation, fluorinated ethylene propylene (FEP) jacket.

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

AWG	Stranding	Material	No. of Pairs
18	19x30	TC - Tinned Copper	1
Total Number of Conductors:			2

Insulation:

Material	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.007 in

Color Chart 1:

Number	Color
1	Black & Red

Outersheild 1:

Material
Unshielded

Outerjacket 1:

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	Teflon®	0.132 in	0.009 in

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR
5.5 Ohm/1000ft

Capacitance:

Nom. Capacitance Conductor to Conductor
20 pF/ft

Impedance:

Nominal Characteristic Impedance
72 Ohm

Current:

Max. Recommended Current [A]
5.4 Amps per conductor @ 25°C

Inductance:

Nominal Inductance
0.14 μ H/ft

Voltage:

UL Voltage Rating
300 V RMS

Use

Max Recommended Pulling Tension:	49 lbs
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Safety

CSA Flammability:	FT6
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UL Flammability:	NFPA 262
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Temperature Range

Operating Temp Range:	-70°C To +200°C
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Mechanical Characteristics

Min Bend Radius/Minor Axis:	1.5 in
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Part Number

Plenum (Y/N):	Yes
Non-Plenum Number:	9740

Standards

CA Prop 65 (CJ for Wire & Cable):	CA Prop 65 (CJ for Wire & Cable)
CEC/C(UL) Specification:	CEC/C(UL) Specification
MII Order #39 (China RoHS):	MII Order #39 (China RoHS)
NEC/(UL) Specification:	NEC/(UL) Specification
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	EU CE Mark

History

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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Product Variants

Part Number	Color	Put-Up Type	Length
89740 0021000	RED	Reel	1000 ft
89740 002100	RED	Reel	100 ft
89740 0023000	RED	Reel	3000 ft
89740 0025000	RED	Reel	5000 ft
89740 002500	RED	Reel	500 ft

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