



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.

Technical Specifications

Physical Characteristics (Overall)

Conductor

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

Conductor Count:	2
Total Number of Pairs:	1
Conductor Size:	18 AWG

Insulation

Material	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.0065 in

Color Chart

Number	Color
1	Black & Red

Outer Shield Material

Material
Unshielded

Outer Jacket Material

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	
Shielding:	Unshielded

Inductance

Nominal Inductance
0.14 µH/ft

Impedance

Nominal Characteristic Impedance
72 Ohm

Current

Max. Recommended Current [A]

5.4 Amps per conductor @ 25°C

Voltage

UL Voltage Rating

300 V RMS

Temperature Range

Operating Temp Range: -70°C To +200°C

Mechanical Characteristics

Bulk Cable Weight: 15 lbs/1000ft

Max Recommended Pulling Tension: 49 lbs

Min Bend Radius/Minor Axis: 1.5 in

Standards

NEC Articles: 800

NEC/(UL) Specification: CL3P, CMP

CEC/C(UL) Specification: 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 II): Yes

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

EU Directive 2015/863/EU: Yes

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

EU CE Mark: Yes

EU RoHS Compliance Date (yyyy-mm-dd): 2005-04-01

CA Prop 65 (CJ for Wire & Cable): Yes

MII Order #39 (China RoHS): 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: 9740

Variants

Item #	Color	Footnote
89740 002100	Red	C
89740 0021000	Red	C
89740 0023000	Red	C Z
89740 002500	Red	C
89740 0025000	Red	C Z

Footnote: C - CRATE REEL PUT-UP.

Footnote: Z - FINAL PUT-UP MAY VARY (= OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

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