



**Part Number:** 89740

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

[Request Sample](#)

## 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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