

 **Part Number:** 87740

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

## Product Description

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

#### Outershield 1:

Material
Unshielded

#### Outerjacket 1:

Material	Nominal Diameter	Nominal Wall Thickness
PVDF - Fluorocopolymer	0.136 in	0.011 in

### Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR	Nominal Conductor Loop DCR
5.5 Ohm/1000ft	11 Ohm/1000ft

Capacitance:

Nom. Capacitance Conductor to Conductor
20 pF/ft

Impedance:

Nominal Characteristic Impedance
72 Ohm

Inductance:

Nominal Inductance
0.14 µH/ft

Voltage:

UL Voltage Rating
300 V RMS

Use

Max Recommended Pulling Tension:	49 lbs
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Safety

UL Flammability:	NFPA 262
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Temperature Range

Operating Temp Range:	-20°C To +150°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

## Product Variants

Part Number	Color	Put-Up Type	Length
87740 0021000	RED	Reel	1000 ft

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