



Part Number: 82740

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

Product Description

One 18 AWG pair stranded (19x30) tinned copper conductors, plenum, twisted pairs, Teflon® (FEP) insulation, Flamarrest® 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
LS PVC - Low Smoke Polyvinyl Chloride	Flamarrest®	0.143 in	0.0145 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
5.5 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor
20 pF/ft

Shielding:	Unshielded
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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

300V RMS

Temperature Range

Operating Temp Range: -20°C To +60°C

Mechanical Characteristics

Bulk Cable Weight:	15 lbs/1000ft
Max Recommended Pulling Tension:	50 lbs
Min Bend Radius/Minor Axis:	1.5 in

Standards

NEC/(UL) Specification:	CL3P, CMP
CEC/C(UL) Specification:	CMP
CPR Euroclass:	Eca

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):	2005-10-01
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
Plenum Number:	9740

Part Number

Non-Plenum Number:	9740
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Variants

Item #	Color	Footnote
82740 8771000	NATURAL	C
82740 8775000	NATURAL	
82740 877U1000	NATURAL	

Footnote: C - CRATE REEL PUT-UP.

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