



Part Number: 88741

Audio/Control/Instrumentation, (2 pr) 22 AWG (7x30)
TC, FEP/FEP, CMP

Product Description

Two 22 AWG pairs stranded (7x30) tinned copper conductors, twisted pairs, fluorinated ethylene propylene (FEP) insulation, fluorinated ethylene propylene (FEP) jacket.

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

AWG	Stranding	Material	No. of Pairs
22	7x30	TC - Tinned Copper	2
Total Number of Conductors:			4

Insulation:

Material	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.007 in

Color Chart 1:

Number	Color
1	Black & Red
2	Black & White

Outersheild 1:

Material
Unshielded

Outerjacket 1:

Material	Nominal Diameter	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.169 in	0.009 in

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR	Nominal Conductor Loop DCR
16 Ohm/1000ft	32 Ohm/1000ft

Capacitance:

Nom. Capacitance Conductor to Conductor
17 pF/ft

Impedance:

Nominal Characteristic Impedance
88 Ohm

Current:

Max. Recommended Current [A]
3.3 Amps per conductor @ 25°C (10°C rise in temp)

Inductance:

Nominal Inductance
0.15 μ H/ft

Voltage:

UL Voltage Rating
300 V RMS

Use

Max Recommended Pulling Tension:	18 lbs
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Safety

CSA Flammability:	FT6
UL Flammability:	NFPA 262

Temperature Range

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

Min Bend Radius/Minor Axis:	1.75 in
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Part Number

Plenum (Y/N):	Yes
Non-Plenum Number:	8741

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

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