

Part Number: 9951

Communication and Instrumentation Cable



Product Description

16 AWG stranded (19x29) tinned copper conductors, nylon skin over insulation, PVC insulation, tinned copper braid shield (90% coverage), PVC jacket.

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

AWG	Stranding	Material	No. of Conductors
16	19x29	TC - Tinned Copper	1
Total Number of Conductors:			1

Insulation:

Layer	Material	Nominal Wall Thickness
1	PVC - Polyvinyl Chloride	0.012 in
2	Nylon	0.004 in

Color Chart 1:

Color
White

Outershield 1:

Type	Material	Coverage [%]
Braid	TC - Tinned Copper	90 %

Outerjacket 1:

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.143 mm	0.016 mm

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR	Nominal Outer Shield DCR
5.8 Ohm/km	4.3 Ohm/km

Capacitance:

Nom. Capacitance Conductor to Shield
138 pF/m

Current:

Max. Recommended Current [A]
6.5 Amps per conductor @ 25°C

Voltage:

Non-UL Voltage Rating
600V RMS

Use

Max Recommended Pulling Tension:	30.4 lbs
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Safety

UL Flammability:	VW-1
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Temperature Range

Operating Temp Range:	-20°C To +105°C
UL Temp Rating:	105°C

Mechanical Characteristics

Min Bend Radius/Minor Axis:	1.5 in
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Part Number

Plenum (Y/N):	No
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Standards

CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
Military Specification:	MIL-W-16878E/17 (insulated conductor)
Other Specification:	NEMA HP3
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes

History

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