



Part Number: 9963

Communication and Instrumentation Cable

Product Description

20 AWG stranded (19x32) tinned copper conductors, conductors cabled, 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
20	19x32	TC - Tinned Copper	3
Total Number of Conductors:			3

Insulation:

Layer	Material	Nominal Wall Thickness
1	PVC - Polyvinyl Chloride	0.011 in
2	Nylon	0.003 in

Color Chart 1:

Number	Color
1	White
2	Black
3	Red

Outershield 1:

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

Outerjacket 1:

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.21 mm	0.025 mm

Electrical Characteristics

Conductor DCR:

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

Capacitance:

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
49 pF/m	84 pF/m

Current:

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

Inductance:

Nominal Inductance
0.145 µH/m

Voltage:

Non-UL Voltage Rating
600V RMS

Use

Max Recommended Pulling Tension:	45 lbs
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Safety

Temperature Range

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

Mechanical Characteristics

Min Bend Radius/Minor Axis:	2.25 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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