

**Part Number:** 9952

Communication and Instrumentation Cable



## Product Description

16 AWG stranded (19x29) 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
16	19x29	TC - Tinned Copper	2
<b>Total Number of Conductors:</b>			2

#### Insulation:

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

#### Color Chart 1:

Number	Color
1	White
2	Black

#### Outershield 1:

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

#### Outerjacket 1:

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.25 mm	0.025 mm

## Electrical Characteristics

### Conductor DCR:

Nominal Conductor DCR	Nominal Outer Shield DCR
4.3 Ohm/km	5.7 Ohm/km

### Capacitance:

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
57 pF/m	95 pF/m

### Current:

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

### Inductance:

Nominal Inductance
0.12 µH/m

### Voltage:

Non-UL Voltage Rating
600V RMS

## Use

Max Recommended Pulling Tension:	60.8 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:	2.5 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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