

**Part Number:** 9966

Communication and Instrumentation Cable



## Product Description

22 AWG stranded (19x34) 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
22	19x34	TC - Tinned Copper	2
<b>Total Number of Conductors:</b>			2

#### Insulation:

Layer	Material	Nominal Wall Thickness
1	PVC - Polyvinyl Chloride	0.01 in
2	Nylon	0.003 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	0.174 mm	0.02 mm

## Electrical Characteristics

### Conductor DCR:

Nominal Conductor DCR	Nominal Outer Shield DCR
14.6 Ohm/km	6.2 Ohm/km

### Capacitance:

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
52 pF/m	87 pF/m

### Current:

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

### Inductance:

Nominal Inductance
0.129 $\mu$ H/m

### Voltage:

Non-UL Voltage Rating
600V RMS

## Use

Max Recommended Pulling Tension:	19 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:	1.75 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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