

## 9964 Multi-Conductor - Communication and Instrumentation Cable



For more Information  
please call

1-800-Belden1

**Description:**

20 AWG stranded (19x32) tinned copper conductors, conductors cabled, nylon skin over insulation, PVC insulation, tinned copper braid shield (90% shield coverage), PVC jacket.

**Physical Characteristics (Overall)****Conductor**

AWG:

# Conductors	AWG	Stranding	Conductor Material
4	20	19x32	TC - Tinned Copper

Total Number of Conductors: 4

**Insulation**

Insulation Material:

Layer #	Insulation Material	Wall Thickness (in.)
1	PVC - Polyvinyl Chloride	.011
2	Nylon	.004

Insulation Resistance: 700 megohms/1000 ft. @ 500 VDC

**Outer Shield**

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	TC - Tinned Copper	90

**Outer Jacket**

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.025

**Overall Cable**

Overall Cabling Lay Length & Direction:

Length (in.)	Twists (twist/ft)
2	6

Overall Cabling Color Code Chart:

Number	Color
1	White
2	Black
3	Red
4	Green

Overall Nominal Diameter: 0.226 in.

**Mechanical Characteristics (Overall)**

Operating Temperature Range: -20°C To +105°C

UL Temperature Rating: 105°C

Bulk Cable Weight: 35.500 lbs/1000 ft.

Max. Recommended Pulling Tension: 60 lbs.

Min. Bend Radius/Minor Axis: 2.250 in.

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## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

EU CE Mark: Yes

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 10/01/2005

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire &amp; Cable): Yes

MII Order #39 (China RoHS): Yes

Military Specification: MIL-W-16878E/17 (insulated conductor)

Other Specification: NEMA HP3

## Plenum/Non-Plenum

Plenum (Y/N): No

## Electrical Characteristics (Overall)

## Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

40

## Nom. Capacitance Cond. to Other Conductor &amp; Shield:

Capacitance (pF/ft)

100

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

9.0

## Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

4.9

## Max. Operating Voltage - UL:

Voltage

600 V RMS

## Max. Recommended Current:

Current

3.8 Amps per conductor @ 25°C

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9964 009100	100 FT	4.300 LB	WHITE		4 #20 PVC/NYL SHLD PVC
9964 0091000	1,000 FT	39.000 LB	WHITE	C	4 #20 PVC/NYL SHLD PVC
9964 009500	500 FT	18.000 LB	WHITE		4 #20 PVC/NYL SHLD PVC

## Notes:

C = CRATE REEL PUT-UP.

Revision Number: 3    Revision Date: 07-10-2012

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