

9964 Multi-Conductor - Communication and Instrumentation Cable



For more Information
please call

1-800-Belden1

**General 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	0.011
2	Nylon	0.003

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 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 lbs/1000 ft.
Max. Recommended Pulling Tension:	60 lbs.
Min. Bend Radius/Minor Axis:	2.500 in.

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

EU Directive 2011/65/EU (RoHS II):	Yes
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

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CA Prop 65 (CJ for Wire & Cable):

Yes

MIL 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 & 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 - Non-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	19.500 LB	WHITE		4 #20 PVC/NYL SHLD PVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 4 Revision Date: 09-10-2012

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