Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



9968 Multi-Conductor - Communication and Instrumentation Cable



For more Information please call

1-800-Belden1



General Description:

22 AWG stranded (19x34) tinned copper conductors, conductors cabled, nylon skin over insulation, PVC insulation, tinned copper braid shield (90% coverage), PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
4	22	19x34	TC - Tinned Copper

Total Number of Conductors:

Insulation

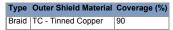
Insulation Material:

Layer #	Insulation Material	Wall Thickness (mm)
1	PVC - Polyvinyl Chloride	0.254
2	Nylon	0.0762

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

Outer Shield

Outer Shield Material:



Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.508

Overall Cable

Overall Cabling Color Code Chart:

Number	Color
1	White
2	Black
3	Red
4	Green

Overall Nominal Diameter:

5.080 mm

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +105°C
UL Temperature Rating:	105°C
Bulk Cable Weight:	43.158 Kg/Km
Max. Recommended Pulling Tension:	169.032 N
Min. Bend Radius/Minor Axis:	50.800 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards &	Environmental	Programs
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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		
MII Order #39 (China RoHS): Yes		Yes		
Military Specification: MIL-W-1687		MIL-W-16878E/17 (insulated conductor)		
Other Specification: NEMA HP3		NEMA HP3		
Plenum/Non-Plenum				
	Plenum (Y/N):	No		

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (µH/m) 0.469183

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m) 137.802

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m) 226.389

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 49.8712

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km) 19.0298

Max. Operating Voltage - Non-UL:

Voltage 600 V RMS

Max. Recommended Current:

Current 2.8 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9968 009100	100 FT	3.600 LB	WHITE		4 #22 PVC/NY SHLD PVC
9968 0091000	1,000 FT	30.000 LB	WHITE	С	4 #22 PVC/NY SHLD PVC
9968 009500	500 FT	16.000 LB	WHITE		4 #22 PVC/NY SHLD PVC

C = CRATE REEL PUT-UP.

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

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