Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



9951 Multi-Conductor - Communication and Instrumentation Cable

For more Information please call

1-800-Belden1



General Description:

jessa

16 AWG stranded (19x29) tinned copper conductors, nylon skin over insulation, PVC insulation, tinned copper braid shield (90% coverage), PVC jacket.

1

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
1	16	19x29	TC - Tinned Copper

Total Number of Conductors:

Insulation

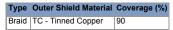
Insulation Material:

Laye	er # Insulation Material	Wall Thickness (mm)
1	PVC - Polyvinyl Chlorid	e 0.3048
2	Nylon	0.1016

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	0.4064

Overall Cable

Overall Cabling Color Code Chart:

Color White

Overall Nominal Diameter: 3.632 mm

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +105°C
UL Temperature Rating:	105°C
Bulk Cable Weight:	29.764 Kg/Km
Max. Recommended Pulling Tension:	135.225 N
Min. Bend Radius/Minor Axis:	38.100 mm

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
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

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	Military Specification:	MIL-W-16878E/17 (insulated conductor)	
	Other Specification:	NEMA HP3	
Flame Test			
	UL Flame Test:	VW-1	
Plenum/Non-Plenum			
	Plenum (Y/N):	No	

Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m) 452.778

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 19.0298

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km) 14.1083

Max. Operating Voltage - Non-UL:

600 V RMS

Max. Recommended Current:

Current 6.5 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9951 0091000	1,000 FT	22.000 LB	WHITE		1 #16 PVC/NY SHLD PVC

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

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product.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.

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