Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



9952 Multi-Conductor - 2 Conductors Cabled-Communication and Instrumentation Cable

For more Information please call

1-800-Belden1



General Description:

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

2

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
2	16	19x29	TC - Tinned Copper

Total Number of Conductors:

Insulation

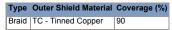
Insulation Material:

Layer #	Insulation Material	Wall Thickness (mm)
1	PVC - Polyvinyl Chloride	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	0.635

Overall Cable

Overall Cabling Color Code Chart:

ĺ	Number	Color	
	1	White	
	2	Black	

Overall Nominal Diameter:

6.350 mm

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +105°C
UL Temperature Rating:	105°C
Bulk Cable Weight:	56.552 Kg/Km
Max. Recommended Pulling Tension:	270.451 N
Min. Bend Radius/Minor Axis:	63.500 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

Page 1 of 2 11-05-2015

Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



9952 Multi-Conductor - 2 Conductors Cabled-Communication and Instrumentation Cable

	Military Specification:	MIL-W-16878E/17 (insulated conductor)		
	Other Specification:	NEMA HP3		
Ple	num/Non-Plenum			
	Plenum (Y/N):	No		

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (µH/m) 0.39372

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m) 187.017

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m) 311.695

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 14.1083

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km) 18.7017

Max. Operating Voltage - Non-UL:

Voltage 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
9952 009100	100 FT	4.600 LB	WHITE		2 #16 PVC/NY SHLD PVC
9952 0091000	1,000 FT	42.000 LB	WHITE	С	2 #16 PVC/NY SHLD PVC
9952 009500	500 FT	21.000 LB	WHITE		2 #16 PVC/NY SHLD PVC

C = CRATE REEL PUT-UP.

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

© 2015 Belden, Inc All Rights Reserved

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its bublication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the 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.

Page 2 of 2 11-05-2015