Detailed Specifications & Technical Data



9963 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% coverage), PVC jacket.

Physical Characteristics (Overall)		
Conductor		
AWG: # Conductors AWG Stranding Conductor Material		
3 20 19x32 TC - Tinned Copper		
Total Number of Conductors:	3	
Insulation		
Insulation Material:		
Layer # Insulation Material Wall Thickness (in.) 1 PVC - Polyvinyl Chloride 0.011		
2 Nylon 0.003		
Insulation Resistance:	500 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		
Overall Nominal Diameter:	0.210 in.	
Mechanical Characteristics (Overall)		
Operating Temperature Range:	-20°C To +105°C	
UL Temperature Rating:	105°C	
Bulk Cable Weight:	29 lbs/1000 ft.	
Max. Recommended Pulling Tension:	45 lbs.	
Min. Bend Radius/Minor Axis:	2.250 in.	
Applicable Specifications and Agency Compliance (C	Dverall)	
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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ENGLISH MEASUREMENT VERSION

9963 Multi-Conductor - Communication and Instrumentation Cable

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. Inductance:					
Inductance (µH/ft) .145					
Nom. Capacitance Conductor to Conductor:					
Capacitance (pF/ft) 49					
Nom. Capacitance Cond. to Other Conductor & Shield:					
Capacitance (pF/ft) 84					
Nom. Conductor DC Resistance:					
DCR @ 20°C (Ohm/1000 ft) 9.1					
Nominal Outer Shield DC Resistance:					
DCR @ 20°C (Ohm/1000 ft) 5.8					
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
9963 009100	100 FT	3.600 LB	WHITE		3 #20 PVC/NY SHLD PVC
9963 0091000	1,000 FT	31.000 LB	WHITE	С	3 #20 PVC/NY SHLD PVC
9963 009500	500 FT	16.000 LB	WHITE	С	3 #20 PVC/NY SHLD PVC

Notes:

C = CRATE REEL PUT-UP.

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product. Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).