Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION

9843 Multi-Conductor - Low Capacitance Computer Cables for EIA RS-485 Applications



For more Information please call

1-800-Belden1



General Description:

24 AWG stranded (7x32) TC conductors, polyethylene insulation, twisted pairs, overall Beldfoil® (100% coverage) + TC braid shield (90% coverage), 24 AWG stranded TC drain wire, PVC jacket

Physical Characteristics (Overall)						
Conductor						
AWG: # Pairs AWG Stranding Conductor Material						
3 24 7x32 TC - Tinned Copper						
Total Number of Conductors: 6						
Insulation						
Insulation Material:						
Insulation Material Wall Thickness (mm) PE - Polyethylene 0.559						
Outer Shield Outer Shield Material:						
Layer # Outer Shield Trade Name Type Outer Shield Mate	erial Coverage (%)					
1 Beldfoil® Tape Aluminum Foil-Pol						
2 Braid TC - Tinned Copp	er 90					
Outer Shield Drain Wire AWG:						
AWG Stranding Drain Wire Conductor Material 24 7x32 TC - Tinned Copper						
Outer Jacket						
Outer Jacket Material: Outer Jacket Material Nom. Wall Thickness (mm)						
PVC - Polyvinyl Chloride 0.889						
Overall Cable						
Overall Nominal Diameter:	9.144 mm					
Pair						
Pair Color Code Chart:						
Number Color 1 White/Blue & Blue/White						
2 White/Orange & Orange/White						
3 White/Green & Green/White						
Mechanical Characteristics (Overall)						
Operating Temperature Range:	-30°C To +80°C					
UL Temperature Rating:	80°C (UL AWM Style 2919)					
Bulk Cable Weight:	92.268 Kg/Km					
Max. Recommended Pulling Tension:	469.285 N					
Min. Bend Radius/Minor Axis:	95.250 mm					
Applicable Specifications and Agency Complian	ce (Overall)					
Applicable Standards & Environmental Programs						
NEC/(UL) Specification:	СМ					
CEC/C(UL) Specification:	СМ					
AWM Specification:	UL Style 2919 (300 V 80°C)					
EU Directive 2011/65/EU (ROHS II):	Yes					
EU CE Mark:	Yes					
EU Directive 2000/53/EC (ELV):	Yes					

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EU Directive 2002/95/EC (RoHS):	:	Yes		
EU RoHS Compliance Date (mm	/dd/yyyy):	01/01/2004		
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		
Flame Test				
UL Flame Test:		UL1685 UL Loading		
Plenum/Non-Plenum				
Plenum (Y/N):		No		
Electrical Characteristics (Ov	verall)			
Nom. Characteristic Impedance:				
Impedance (Ohm) 120				
Nom. Capacitance Conductor to Cond	ductor:			
Capacitance (pF/m) 41.997				
Nom. Capacitance Cond. to Other Co	unductor & Shield			
Capacitance (pF/m) 75.463				
Nominal Velocity of Propagation: VP (%)				
66				
Nominal Delay:				
Delay (ns/m) 5.2496				
Nom. Conductor DC Resistance:				
DCR @ 20°C (Ohm/km) 78.744				
Nominal Outer Shield DC Resistance:				
DCR @ 20°C (Ohm/km) 5.676				
Nom. Attenuation:				
Attenuation (dB/100m)				
0.6 (@ 1 MHz)				
Max. Operating Voltage - UL:				
Voltage Description 300 V RMS UL AWM Style 2919				
Max. Recommended Current:				
Current 1.54 Amps per conductor @ 25°C				
Put Ups and Colors:				
Item # Put	tup Ship Weight	Color	Notes	Item Desc

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9843 060100	100 FT	7.100 LB	CHROME		3 PR #24 PE SH PVC
9843 0601000	1,000 FT	67.000 LB	CHROME	С	3 PR #24 PE SH PVC
9843 060500	500 FT	34.500 LB	CHROME	С	3 PR #24 PE SH PVC
9843 0605000	5,000 FT	355.000 LB	CHROME	С	3 PR #24 PE SH PVC

Notes: C = CRATE REEL PUT-UP.

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