Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



9844 Multi-Conductor - Low Capacitance Computer Cables for EIA RS-485 Applications



For more Information please call

1-800-Belden1



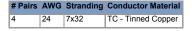
General Description:

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:

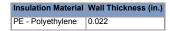


Total Number of Conductors:

8

Insulation

Insulation Material:



Outer Shield

Outer Shield Material:

Layer #	ayer # Outer Shield Trade Name		Outer Shield Material	Coverage (%)
1	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100
2		Braid	TC - Tinned Copper	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 (in.)
PVC - Polyvinyl Chloride	0.035

Overall Cable

Overall Nominal Diameter:

0.390 in.

Pair

Pair Color Code Chart:

Number	Color			
1	White/Blue & Blue/White			
2	White/Orange & Orange/White			
3	White/Green & Green/White			
4	White/Brown & Brown/White			

Mechanical Characteristics (Overall)

Operating Temperature Range:	-30°C To +80°C
UL Temperature Rating:	80°C (UL AWM Style 2919)
Bulk Cable Weight:	71 lbs/1000 ft.
Max. Recommended Pulling Tension:	110 lbs.
Min. Bend Radius/Minor Axis:	4 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CM	
CEC/C(UL) Specification:	СМ	
AWM Specification:	UL Style 2919 (30 V 80°C)	
EU Directive 2011/65/EU (ROHS II):	Yes	
EU CE Mark:	Yes	

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	EU Directive 2000/53/EC (ELV):	Yes	
	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	
Ple	Plenum/Non-Plenum		
	Plenum (Y/N):	No	

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

Nom. Capacitance Conductor to Conductor:

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

Nominal Velocity of Propagation:

VP (%)

Nominal Delay:

Delay (ns/ft)

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

Nom. Attenuation:

Attenuation (dB/100 ft.) 0.6 (@ 1 MHz)

Max. Operating Voltage - UL:

300 V RMS UL AWM Style 2919

Max. Recommended Current:

1.54 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9844 0601000	1,000 FT	80.000 LB	CHROME	С	4 PR #24 PE SH PVC
9844 060500	500 FT	40.500 LB	CHROME	С	4 PR #24 PE SH PVC

Notes: C = CRATE REEL PUT-UP.

Revision Number: 2 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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