Detailed Specifications & Technical Data

METRIC 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:

# Pairs	AWG	Stranding	Conductor Material
4	24	7x32	TC - Tinned Copper

Total Number of Conductors: 8

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 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 (mm)
PVC - Polyvinyl Chloride	0.889

Overall Cable

Overall Nominal Diameter: 9.906 mm

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:	105.662 Kg/Km
Max. Recommended Pulling Tension:	489.302 N
Min. Bend Radius/Minor Axis:	101.600 mm

Page 1 of 3 11-08-2019

Detailed Specifications & Technical Data

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plicable Specifications and Agency Co	ompliance (Overall)
pplicable Standards & Environmental Progi	rams
NEC/(UL) Specification:	CM
CEC/C(UL) Specification:	CM
AWM Specification:	UL Style 2919 (30 V 80°C)
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):	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
enum/Non-Plenum	

No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

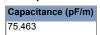


Plenum (Y/N):

Nom. Capacitance Conductor to Conductor:



Nom. Capacitance Cond. to Other Conductor & Shield:



Nominal Velocity of Propagation:



Nominal Delay:



Nom. Conductor DC Resistance:



Nominal Outer Shield DC Resistance:



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:



Page 2 of 3 11-08-2019

Detailed Specifications & Technical Data





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Put Ups and Colors:

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

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 03-09-2017

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Page 3 of 3 11-08-2019