Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



9841 Multi-Conductor - Low Capacitance Computer Cable for EIA RS-485 Applications

For more Information please call

1-800-Belden1



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
1	24	7x32	TC - Tinned Copper

Insulation

Insulation Material:

Insulation Material
PE - Polyethylene

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
PVC - Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter: 5.893 mm

Pair

Pair Color Code Chart:

Color White/Blue and Blue/White

Pair Lay Length & Direction:

Lay Length (mm)	Twists/ft. (twist/m)	Direction
63.49975	15.749	Left Hand Lay

Mechanical Characteristics (Overall)

Operating Temperature Range:	-30°C To +80°C		
UL Temperature Rating:	80°C		
Bulk Cable Weight:	53.575 Kg/Km		
Max. Recommended Pulling Tension:	321.605 N		
Min. Bend Radius (Install)/Minor Axis:	63.500 mm		

Page 1 of 3 01-06-2012

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pplicable Standards & Environmental Progr	CM		
NEC/(UL) Specification:	CIVI		
CEC/C(UL) Specification:	CM		
AWM Specification:	UL Style 2919 (30 V 80°C)		
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			
Plenum (Y/N):	No		
Plenum Number:	82841, 89841		

Electrical Characteristics (Overall)

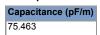
Nom. Characteristic Impedance:



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:

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DCR @ 20°C (Ohm/km)
11.1554
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Nom. Attenuation:

Attenuation (dB/100m) 0.6 (@ 1 MHz)

Max. Operating Voltage - UL:



Max. Recommended Current:

Current

Page 2 of 3 01-06-2012

Detailed Specifications & Technical Data

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2.1 Amps per conductor @ 25°C

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9841 060100	30 MT	1.950 KG	CHROME		1 PR #24 PE SH PVC
9841 0601000	305 MT	18.144 KG	CHROME	С	1 PR #24 PE SH PVC
9841 060500	152 MT	9.072 KG	CHROME	С	1 PR #24 PE SH PVC
9841 0605000	1,524 MT	90.719 KG	CHROME		1 PR #24 PE SH PVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 04-18-2008

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