Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



8104 Multi-Conductor - Low Capacitance Computer Cables for EIA RS-232/422



For more Information please call

1-800-Belden1



Description:

24 AWG stranded (7x32) TC conductors, Datalene® insulation, twisted pairs, overall Beldfoil® (100% coverage) + TC braid shield (65% coverage), 24 AWG stranded TC drain wire, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs AW0		Stranding	Conductor Material		
4	24	7x32	TC - Tinned Copper		

Insulation

Insulation Material:

Insulation Trade Name	Insulation Material		
Datalene®	FPE - Foam Polyethylene		

Outer Shield

Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Beldfoil®	Tape	Aluminum Foil-Polyester Tape w/Shorting Fold	100
2		Braid	TC - Tinned Copper	65

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 Cabling

Overall Nominal Diameter: 7.671 mm

Pair

Pair Color Code Chart:

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

Min. Bend Radius (Install)/Minor Axis:

Mechanical Characteristics (Overall) Operating Temperature Range: -30°C To +80°C UL Temperature Rating: 80°C (UL AWM Style 2919) Bulk Cable Weight: 70.690 Kg/Km Max. Recommended Pulling Tension: 220.186 N

76.200 mm

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Applicable Specifications and Agency Compliance (Overall)				
Applicable Standards & Environmental Programs				
NEC/(UL) Specification:	CM			
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			
Flame Test				
UL Flame Test:	UL1685 UL Loading			
Plenum/Non-Plenum				
Plenum (Y/N):	No			
Plenum Number:	88104			

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:



Nom. Capacitance Conductor to Conductor:



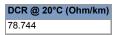
Nom. Capacitance Cond. to Other Conductor & Shield:



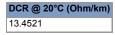
Nominal Velocity of Propagation:



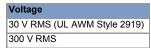
Nom. Conductor DC Resistance:



Nominal Outer Shield DC Resistance:



Max. Operating Voltage - UL:



Max. Recommended Current:

Current
1.5 Amps per conductor @ 25°C

Notes (Overall)

Notes: Datalene® insulation features include low dielectric constant and a dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

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Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8104 060100	30 MT	2.313 KG	CHROME		4 PR #24 FHDPE SH PVC
8104 0601000	305 MT	20.865 KG	CHROME	С	4 PR #24 FHDPE SH PVC
8104 06010000	3,048 MT	222.261 KG	CHROME	CY	4 PR #24 FHDPE SH PVC
8104 060500	152 MT	9.525 KG	CHROME	С	4 PR #24 FHDPE SH PVC

C = CRATE REEL PUT-UP

Y = FINAL PUT-UP LENGTH MAY VARY -10% TO +20% FROM LENGTH SHOWN.MAY CONTAIN 2 PIECES. MINIMUM LENGTH OF ANY ONE PIECE IS 1500'.

Revision Number: 1 Revision Date: 05-14-2007

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