Detailed Specifications & Technical Data

ENGLISH 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	AWG	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 Cable

Overall Nominal Diameter: 0.302 in.

Pair

Pair Color Code Chart:

Number	Color		
1	White/Blue & Blue/White		
2 White/Orange & Orange/W			
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:	47.500 lbs/1000 ft.
Max. Recommended Pulling Tension:	49.500 lbs.
Min. Bend Radius (Install)/Minor Axis:	3 in.

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grams CM
CM
OW
CM
UL Style 2919 (30 V 80°C)
Yes
Yes
Yes
01/01/2004
Yes
Yes
Yes
Yes
UL1685 UL Loading
No
88104

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:



Nom. Capacitance Conductor to Conductor:



Nom. Capacitance Cond. to Other Conductor & Shield:



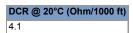
Nominal Velocity of Propagation:



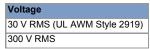
Nom. Conductor DC Resistance:



Nominal Outer Shield DC Resistance:



Max. Operating Voltage - UL:



Max. Recommended Current:

Current	
1.5 Amps per conductor @ 25	5°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	100 FT	5.100 LB	CHROME		4 PR #24 FHDPE SH PVC
8104 0601000	1,000 FT	46.000 LB	CHROME	С	4 PR #24 FHDPE SH PVC
8104 06010000	10,000 FT	490.000 LB	CHROME	CY	4 PR #24 FHDPE SH PVC
8104 060500	500 FT	21.000 LB	CHROME	С	4 PR #24 FHDPE SH PVC

Notes:

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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