Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



9925 Multi-Conductor - Low-Capacitance Computer Cable for EIA RS-232/RS423



For more Information please call

1-800-Belden1



General Description:

24 AWG stranded (7x32) tinned copper conductors, Datalene® insulation, overall Beldfoil® (100% coverage) plus a tinned copper braid shield (65% coverage), drain wire, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
3	24	7x32	TC - Tinned Copper

Total Number of Conductors: 3

Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Wall Thickness (mm)	
Datalene®	FPE - Foam Polyethylene	0.381	

Outer Shield

Outer Shield Material:

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

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
24	Stranded	TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Oı	uter Jacket Material	Nom. Wall Thickness (mm)
Р١	/C - Polyvinyl Chloride	0.889

Overall Cable

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	White
3	Red

Overall Nominal Diameter: 5.309 mm

Mechanical Characteristics (Overall)

Operating Temperature Range:	-30°C To +80°C
UL Temperature Rating:	80°C (UL AWM Style 2919)
Bulk Cable Weight:	35.717 Kg/Km
Min. Bend Radius/Minor Axis:	57.150 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CM

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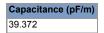


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CM	
UL Style 2919 (30 V 80°C)	
Yes	
Yes	
Yes	
Yes	
01/01/2004	
Yes	
Yes	
Yes	
Yes	
UL1685 UL Loading	
No	

Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:



Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m) 72.182

Nominal Velocity of Propagation:

VP (%) 78

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 78.744

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km) 16.9956

Max. Operating Voltage - UL:

Voltage	Description
	UL AWM Style 2919
300 V RMS	CM

Max. Recommended Current:

Current
2.2 Amps per conductor @ 25°C

Notes (Overall)

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

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9925 060100	30 MT	1.452 KG	CHROME		3 #24 FHDPE SH PVC
9925 0601000	305 MT	11.793 KG	CHROME	С	3 #24 FHDPE SH PVC
9925 060500	152 MT	6.350 KG	CHROME	С	3 #24 FHDPE SH PVC

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Notes:

C = CRATE REEL PUT-UP.

Revision Number: 4 Revision Date: 09-14-2012

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