Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



9680 Multi-Conductor - Low Capacitance Computer Cable for EIA RS-232/422



For more Information please call

1-800-Belden1



General Description:

CEC/C(UL) Specification:

EU Directive 2011/65/EU (ROHS II):

EU Directive 2000/53/EC (ELV):

AWM Specification:

EU CE Mark:

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

Physical Characteristics (Overall) Conductor AWG: # Pairs AWG Stranding Conductor Material 24 | 7x32 TC - Tinned Copper **Total Number of Conductors:** 6 Insulation Insulation Material: Insulation Material | Wall Thickness (mm) PE - Polyethylene 0.406 **Outer Shield** Outer Shield Material: Outer Shield Trade Name Type Outer Shield Material Coverage (%) Tape | Aluminum Foil-Polyester Tape | 100 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:** 7.163 mm Pair Pair Color Code Chart: Number Color White/Blue & Blue/White White/Orange & Orange/White White/Green & Green/White **Mechanical Characteristics (Overall)** Operating Temperature Range: -20°C To +80°C 80°C (UL AWM Style 2919) Non-UL Temperature Rating: **Bulk Cable Weight:** 49.111 Kg/Km 146.791 N Max. Recommended Pulling Tension: Min. Bend Radius/Minor Axis: 76.200 mm Applicable Specifications and Agency Compliance (Overall) **Applicable Standards & Environmental Programs** NEC/(UL) Specification:

СМ

Yes

Yes

Yes

UL Style 2919 (30 V 80°C)

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Yes					
01/01/2004					
Yes					
UL1685 UL Loading					
Plenum/Non-Plenum					
No					

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m) 50.8555

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m) 90.2275

Nominal Velocity of Propagation:

VP (%) 66

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 78.744

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

Max. Operating Voltage - UL:

Voltage	Description			
30 V RMS	UL AWM Style 2919			
300 V RMS	СМ			

Max. Recommended Current:

2.1 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9680 0601000	1,000 FT	37.000 LB	CHROME	С	3 PR #24 PER FS PVC
9680 060500	500 FT	18.000 LB	CHROME	С	3 PR #24 PER FS PVC
9680 0605000	5,000 FT	325.000 LB	CHROME	С	3 PR #24 PER FS PVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 09-10-2012

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product.
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