Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



88109 Multi-Conductor - Low Cap. Computer Cable for EIA RS-232/422/485 Applications



For more Information please call

1-800-Belden1



General Description:

Physical Characteristics (Overall)

24 AWG stranded (7x32) tinned copper conductors, plenum, foam FEP insulation, twisted pairs, overall Beldfoil shield (100% coverage), 24 AWG stranded TC drain wire, fluorocopolymer jacket.

Conductor AWG:	
#Pairs AWG Stranding Conductor Materia	ī.
9 24 7x32 TC - Tinned Coppe	
Total Number of Conductors:	
Insulation	10
Insulation Insulation Material:	
Insulation Material	Wall Thickness (in.)
FFEP - Foam Fluorinated Ethylene Propylene	0.015
Outer Shield	
Outer Shield Material:	
Outer Shield Trade Name Type Outer Shie	
	Foil-Polyester Tape 100
Outer Shield Drain Wire AWG:	
AWG Stranding Drain Wire Conductor Mat	erial
24 7x32 TC - Tinned Copper	
Outer Jacket Outer Jacket Material:	
Outer Jacket Material Nom. Wall Thickne	ss (in.)
PVDF - Fluorocopolymer 0.014	
0	
Overall Cable Overall Nominal Diameter:	0.352 in.
Pair	
Pair Color Code Chart:	
Number Color	
1 White/Blue & Blue/White	
2 White/Orange & Orange/White	
3 White/Green & Green/White	
4 White/Brown & Brown/White 5 White/Gray & Gray/White	
6 Red/Blue & Blue/Red	
7 Red/Orange & Orange/Red	
8 Red/Green & Green/Red	
9 Red/Brown & Brown/Red	
Mechanical Characteristics (Overall)	
Operating Temperature Banga	20°C To ±450°C

	Bulk Cable Weight:	65 lbs/1000 ft.					
	Max. Recommended Pulling Tension:	104 lbs.					
	Min. Bend Radius/Minor Axis:	3.750 in.					
Applicable Specifications and Agency Compliance (Overall) Applicable Standards & Environmental Programs							
	NEC/(UL) Specification:	CMP					
	CEC/C(UL) Specification:	CMP					
	EU Directive 2011/65/EU (ROHS II):	Yes					

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Yes
Yes
Yes
04/01/2005
Yes
Yes
Yes
Yes
NFPA 262
FT6
Yes

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm) 100

Nom. Inductance:

Inductance (µH/ft)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft) 23.3

Nominal Velocity of Propagation:

Nominal Delay:

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Recommended Current:

1.1 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
88109 0081000	1,000 FT	74.000 LB	GRAY	С	9#24 PR FS SOLEF
88109 008500	500 FT	36.500 LB	GRAY	С	9#24 PR FS SOLEF

Notes: C = CRATE REEL PUT-UP.

Revision Date: 09-20-2012 Revision Number: 2

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