Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION





88112 Multi-Conductor - Low Cap. Computer Cable for EIA RS-232/422/485 Applications

For more Information please call

1-800-Belden1



General Description:

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.

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	# Pairs	AWG	Stranding	Conductor Material
1	12	24	7x32	TC - Tinned Copper

Total Number of Conductors:

25

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
FFEP - Foam Fluorinated Ethylene Propylene	0.381

Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	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)
PVDF - Fluorocopolymer	0.356

Overall Cable

Overall Nominal Diameter: 10.084 mm

Pair

Pair Color Code Chart:

Number	Color
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
10	Red/Gray & Gray/Red
11	Black/Blue & Blue/Black
12	Black/Orange & Orange/Black
Single Conductor	White

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Mechanical Characteristics (Overall)		
Operating Temperature Range:	-20°C To +150°C	
Bulk Cable Weight:	130.962 Kg/Km	
Max. Recommended Pulling Tension:	609.403 N	
Min. Bend Radius/Minor Axis:	101.600 mm	
Applicable Specifications and Agency C	ompliance (Overall)	
Applicable Standards & Environmental Prog	• • •	
NEC/(UL) Specification:	CMP	
CEC/C(UL) Specification:	CMP	
EU Directive 2011/65/EU (ROHS II):	Yes	
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):	04/01/2005	
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:	NFPA 262	
CSA Flame Test:	FT6	
Plenum/Non-Plenum		
Plenum (Y/N):	Yes	

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Conductor:



Nom. Capacitance Cond. to Other Conductor & Shield:



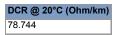
Nominal Velocity of Propagation:



Nominal Delay:



Nom. Conductor DC Resistance:



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Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km) 38.7158

Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Recommended Current:

Current 1.1 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
88112 0081000	1,000 FT	97.000 LB	GRAY	С	12#24 PR + 1#24 FS SOLEF
88112 008500	500 FT	48.000 LB	GRAY	С	12#24 PR + 1#24 FS SOLEF

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 11-22-2013

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