# **Detailed Specifications & Technical Data**

### METRIC MEASUREMENT VERSION



## 88106 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:

# Pairs	AWG	Stranding	<b>Conductor Material</b>
6	24	7x32	TC - Tinned Copper

Total Number of Conductors: 12

#### 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 Materia	
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: 7.442 mm

#### 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

## **Mechanical Characteristics (Overall)**

Operating Temperature Range:	-20°C To +150°C
Bulk Cable Weight:	68.457 Kg/Km
Max. Recommended Pulling Tension:	320.270 N
Min. Bend Radius/Minor Axis:	76.200 mm

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Applicable Standards & Environmental Programs				
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			
ame Test				
UL Flame Test:	NFPA 262			
CSA Flame Test:	FT6			
lenum/Non-Plenum				
Plenum (Y/N):	Yes			

## **Electrical Characteristics (Overall)**

Nom. Characteristic Impedance:

Impedance	(Ohm)
100	

Nom. Inductance:



Nom. Capacitance Conductor to Conductor:



Nom. Capacitance Cond. to Other Conductor & Shield:



Nominal Velocity of Propagation:



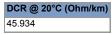
**Nominal Delay:** 



Nom. Conductor DC Resistance:



Nominal Outer Shield DC Resistance:



Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Recommended Current:

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Current 1.54 Amps per conductor @ 25°C

### **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
88106 0081000	305 MT	22.680 KG	GRAY	С	6#24 PR FS SOLEF
88106 008500	152 MT	12.020 KG	GRAY	С	6#24 PR FS SOLEF

#### Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 09-20-2012

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