# **Detailed Specifications & Technical Data**

#### **ENGLISH MEASUREMENT VERSION**



## 88118 Multi-Conductor - Low Cap. Computer Cable for EIA RS-232/422/485 Applications



For more Information please call

1-800-Belden1



## **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	<b>Conductor Material</b>
1	18	24	7x32	TC - Tinned Copper

#### Insulation

#### Insulation Material:

Insulation Material
FFEP - Foam Fluorinated Ethylene Propylene

#### **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
PVDF - Fluorocopolymer

### **Overall Cable**

Overall Nominal Diameter: 0.482 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	
10	Red/Gray & Gray/Red	
11	Black/Blue & Blue/Black	
12	Black/Orange & Orange/Black	
13	Black/Green & Green/Black	
14	Black/Brown & Brown/Black	
15	Black/Gray & Gray/Black	
16	Yellow/Blue & Blue/Yellow	
17	Yellow/Orange & Orange/Yellow	

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18	Yellow/Green & Green/Yellow
Single Conductor	White

Operating Temperature Range:	-20°C To +150°C	
Bulk Cable Weight:	125.600 lbs/1000 ft.	
Max. Recommended Pulling Tension:	203 lbs.	
Min. Bend Radius (Install)/Minor Axis:	5 in.	

Applicable Standards & Environmental P	rograms	
NEC/(UL) Specification:	CMP	
CEC/C(UL) Specification:	CMP	
EU CE Mark:	Yes	
EU Directive 2000/53/EC (ELV):	Yes	

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
C(UL) Flame Test:	FT6

Plenum/Non-Plenum

Plenum (Y/N): Yes

## **Electrical Characteristics (Overall)**

EU Directive 2002/95/EC (RoHS):

Nom. Characteristic Impedance:

Impedance	(Ohm)
100	

Nom. Inductance:



Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
12.95

Nom. Capacitance Cond. to Other Conductor & Shield:



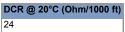
Nominal Velocity of Propagation:



**Nominal Delay:** 



Nom. Conductor DC Resistance:



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Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Recommended Current:

Current 1.1 Amps per conductor @ 25°C

#### **Related Documents:**

No related documents are available for this product

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

Item #	Putup	Ship Weight	Color	Notes	Item Desc
88118 0081000	1,000 FT	148.000 LB	GRAY	С	18#24 PR + 1#24 FS SOLEF
88118 008500	500 FT	71.000 LB	GRAY	С	18#24 PR + 1#24 FS SOLEF

#### Notes:

C = CRATE REEL PUT-UP.

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