

## 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	Conductor Material
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

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

18	Yellow/Green & Green/Yellow
Single Conductor	White

**Mechanical Characteristics (Overall)**

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 Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP
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
C(UL) Flame Test:	FT6

**Plenum/Non-Plenum**

Plenum (Y/N):	Yes
---------------	-----

**Electrical Characteristics (Overall)****Nom. Characteristic Impedance:**

Impedance (Ohm)
100

**Nom. Inductance:**

Inductance (μH/ft)
0.21

**Nom. Capacitance Conductor to Conductor:**

Capacitance (pF/ft)
12.95

**Nom. Capacitance Cond. to Other Conductor & Shield:**

Capacitance (pF/ft)
23.3

**Nominal Velocity of Propagation:**

VP (%)
78

**Nominal Delay:**

Delay (ns/ft)
1.3

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
24

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

## Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

11

## 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	C	18#24 PR + 1#24 FS SOLEF
88118 008500	500 FT	71.000 LB	GRAY	C	18#24 PR + 1#24 FS SOLEF

## Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1    Revision Date: 05-14-2007

© 2012 Belden, Inc.  
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.