

## 88104 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	Conductor Material
4	24	7x32	TC - Tinned Copper

Total Number of Conductors: 8

#### 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: 6.579 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

### Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +150°C

Bulk Cable Weight: 50.599 Kg/Km

Max. Recommended Pulling Tension: 217.962 N

Min. Bend Radius/Minor Axis: 69.850 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

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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
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## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

Impedance (Ohm)  
100

### Nom. Inductance:

Inductance (µH/m)  
0.68901

### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)  
42.489

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

Capacitance (pF/m)  
76.4473

### Nominal Velocity of Propagation:

VP (%)  
78

### Nominal Delay:

Delay (ns/m)  
4.2653

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)  
78.744

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)  
45.934

### Max. Operating Voltage - UL:

Voltage  
300 V RMS

### Max. Recommended Current:

Current  
1.54 Amps per conductor @ 25°C

## 88104 Multi-Conductor - Low Cap. Computer Cable for EIA RS-232/422/485 Applications

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
88104 0081000	1,000 FT	38.000 LB	GRAY	C	4#24 PR FS SOLEF
88104 008500	500 FT	18.500 LB	GRAY	C	4#24 PR FS SOLEF

**Notes:**

C = CRATE REEL PUT-UP.

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

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