

## 88104 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:

# Pairs	AWG	Stranding	Conductor Material
4	24	7x32	TC - Tinned Copper

Total Number of Conductors: 8

#### Insulation

##### Insulation Material:

Insulation Material	Wall Thickness (in.)
FFEP - Foam Fluorinated Ethylene Propylene	0.015

#### 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 (in.)
PVDF - Fluorocopolymer	0.014

#### Overall Cable

Overall Nominal Diameter: 0.259 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

### Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 34 lbs/1000 ft.

Max. Recommended Pulling Tension: 49 lbs.

Min. Bend Radius/Minor Axis: 2.750 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

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

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
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 ( $\mu$ H/ft)

0.21

## Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

12.95

## Nom. Capacitance Cond. to Other Conductor &amp; 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

## Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

14

## Max. Operating Voltage - UL:

Voltage

300 V RMS

## Max. Recommended Current:

Current

1.54 Amps per conductor @ 25°C

## Put Ups and Colors:

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

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	17.000 LB	GRAY	C	4#24 PR FS SOLEF

**Notes:**

C = CRATE REEL PUT-UP.

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