

## 88102 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
2	24	7x32	TC - Tinned Copper

**Total Number of Conductors:** 4
**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:** 5.156 mm
**Pair****Pair Color Code Chart:**

Number	Color
1	White/Blue & Blue/White
2	White/Orange & Orange/White

**Mechanical Characteristics (Overall)**
**Operating Temperature Range:** -20°C To +150°C

**Bulk Cable Weight:** 29.764 Kg/Km

**Max. Recommended Pulling Tension:** 124.550 N

**Min. Bend Radius/Minor Axis:** 57.150 mm
**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**
**NEC/(UL) Specification:** CMP

## 88102 Multi-Conductor - Low Cap. Computer Cable for EIA RS-232/422/485 Applications

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 &amp; 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

## Electrical Characteristics (Overall)

## Nom. Characteristic Impedance:

 Impedance (Ohm)  
 100

## Nom. Inductance:

 Inductance (µH/m)  
 0.68901

## Nom. Capacitance Conductor to Conductor:

 Capacitance (pF/m)  
 42.653

## Nom. Capacitance Cond. to Other Conductor &amp; 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)  
 50.8555

## Max. Operating Voltage - UL:

 Voltage  
 300 V RMS

## Max. Recommended Current:

 Current  
 1.76 Amps per conductor @ 25°C

## Put Ups and Colors:

## METRIC MEASUREMENT VERSION

### 88102 Multi-Conductor - Low Cap. Computer Cable for EIA RS-232/422/485 Applications

Item #	Putup	Ship Weight	Color	Notes	Item Desc
88102 0081000	1,000 FT	22.000 LB	GRAY	C	2#24 PR FS SOLEF
88102 008500	500 FT	12.000 LB	GRAY	C	2#24 PR FS SOLEF

#### Notes:

C = CRATE REEL PUT-UP.

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