

**Part Number: 88107**

**RS232/422 Low Cap, #24-7pr, FFEP, O/A Foil, PVDF Jkt, CMP, 100Ω**



## Product Description

Computer EIA RS-232/422 Cable, 24 AWG stranded (7x32) tinned copper conductors, foam FEP insulation, twisted pairs, overall Beldfoil® shield (100% coverage), 24 AWG stranded tinned copper drain wire, fluorocopolymer jacket, plenum rated

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Conductors	No. of Pairs
24	7x32	TC - Tinned Copper	1	7

Conductor Count:	15
Conductor Size:	24 AWG

#### Insulation

Material	Nominal Wall Thickness
FFEP - Foam Fluorinated Ethylene Propylene	0.015 in

#### Color 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
Single Conductor	White

#### Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape	Beldfoil®	100 %	TC - Tinned Copper	24	7x32 mm

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVDF - Polyvinylidene Fluoride	0.305 in	0.014 in

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
24 Ohm/1000ft	14 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
12.95 pF/ft	23.3 pF/ft

Shielding:	Foil(s) or Copper Tape(s)
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#### Inductance

**Nominal Inductance**

0.21 µH/ft

**Impedance****Nominal Characteristic Impedance**

100 Ohm

**Delay****Max. Delay Skew Nominal Delay Nominal Velocity of Propagation (VP) [%]**

78 ns/100m 1.3 ns/ft 78 %

**Current****Max. Recommended Current [A]**

1.54 Amps per conductor @ 25°C A

**Voltage****UL Voltage Rating**

300 V RMS

**Temperature Range**

Operating Temp Range: -20°C To +150°C

**Mechanical Characteristics**

Bulk Cable Weight: 55 lbs/1000ft

Max Recommended Pulling Tension: 82 lbs

Min Bend Radius/Minor Axis: 3.25 in

**Dimensions (WxHxD)****Depth**

23

**Standards**

NEC/(UL) Specification: CMP

CEC/C(UL) Specification: CMP

**Applicable Environmental and Other Programs**

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2003/96/EC (BFR): Yes

EU Directive 2011/65/EU (ROHS II): Yes

EU Directive 2012/19/EU (WEEE): Yes

EU Directive Compliance: EU Directive 2003/11/EC (BFR)

EU CE Mark: Yes

EU RoHS Compliance Date (yyyy-mm-dd): 2005-04-01

CA Prop 65 (CJ for Wire &amp; Cable): Yes

MII Order #39 (China RoHS): Yes

**Flammability, LSOH, Toxicity Testing**

UL Flammability: NFPA 262 Plenum Flame Test (UL910)

CSA Flammability: FT6

**Plenum/Non-Plenum**

Plenum (Y/N): Yes

**Part Number****Variants**

Item #	Color	Footnote
88107 0081000	Gray	C
88107 008500	Gray	C

Footnote: C - CRATE REEL PUT-UP.

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