

88106 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 |
|---------|-----|-----------|--------------------|
| 6 | 24 | 7x32 | TC - Tinned Copper |

Total Number of Conductors: 12

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: 0.293 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 |

Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 46 lbs/1000 ft.

Max. Recommended Pulling Tension: 72 lbs.

Min. Bend Radius/Minor Axis: 3 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

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

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| | |
|---------------------------------------|------------|
| 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 |
| MIL 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/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

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:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|---------------|----------|-------------|-------|-------|------------------|
| 88106 0081000 | 1,000 FT | 50.000 LB | GRAY | C | 6#24 PR FS SOLEF |
| 88106 008500 | 500 FT | 26.500 LB | GRAY | C | 6#24 PR FS SOLEF |

Notes:

C = CRATE REEL PUT-UP.

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ENGLISH MEASUREMENT VERSION

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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 2014/35/EU).



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- Техническая поддержка проекта;
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Как с нами связаться

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