Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION





White/Blue & Blue/White

89758 Multi-Conductor - Multi-Pair Snake Cable

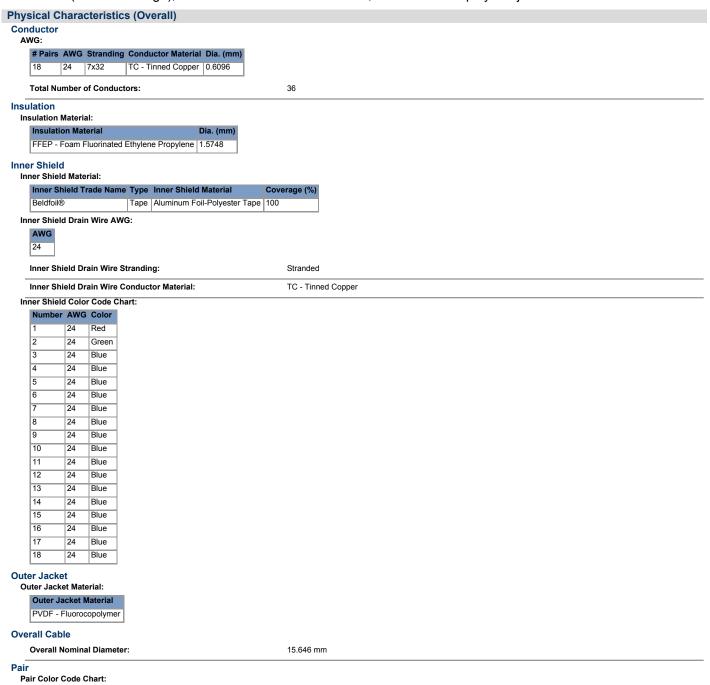
For more Information please call

1-800-Belden1



General Description:

24 AWG stranded (7x32) TC conductor, plenum, foam FEP insulation, twisted pairs, individually shielded w/Beldfoil (100% coverage), 24 AWG stranded TC drain wire, overall fluorocopolymer jacket.



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89758 Multi-Conductor - Multi-Pair Snake Cable

| White/Orange & Orange/White |
|-------------------------------|
| White/Green & Green/White |
| White/Brown & Brown/White |
| White/Gray & Gray/White |
| Red/Blue & Blue/Red |
| Red/Orange & Orange/Red |
| Red/Green & Green/Red |
| Red/Brown & Brown/Red |
| Red/Gray & Gray/Red |
| Black/Blue & Blue/Black |
| Black/Orange & Orange/Black |
| Black/Green & Green/Black |
| Black/Brown & Brown/Black |
| Black/Gray & Gray/Black |
| Yellow/Blue & Blue/Yellow |
| Yellow/Orange & Orange/Yellow |
| Yellow/Green & Green/Yellow |
| |

| | Mechanical | Characteristics | (Overall) |
|--|------------|-----------------|-----------|
|--|------------|-----------------|-----------|

| Operating Temperature Range: | -20°C To +150°C |
|-----------------------------------|-----------------|
| Bulk Cable Weight: | 308.950 Kg/Km |
| Max. Recommended Pulling Tension: | 1321.120 N |
| Min. Bend Radius/Minor Axis: | 158.750 mm |

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 |
| 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 |
| lame Test | |
| | |

UL Flame Test: NFPA 262 C(UL) Flame Test: FT6

Plenum/Non-Plenum

Plenum (Y/N): Yes

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

Nom. Inductance:

Inductance (µH/m) 0.78744

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m) 44.2935

Nom. Capacitance Cond. to Other Conductor & Shield:

73.8225

Nominal Velocity of Propagation:

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METRIC MEASUREMENT VERSION



89758 Multi-Conductor - Multi-Pair Snake Cable

Nominal Delay:

Delay (ns/m) 4.2653

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 78.744

47.246 Ohm/km Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C:

Nom. Attenuation:

| Freq. (MHz) | Attenuation (dB/100m) |
|-------------|-----------------------|
| .384 | 0.242794 |
| .7056 | 2.85447 |
| .768 | 2.92009 |
| 1.024 | 3.11695 |
| 1.4112 | 3.37943 |
| 1.536 | 3.47786 |
| 2.048 | 3.83877 |
| 2.8224 | 4.49497 |
| 3.072 | 4.72464 |
| 4.096 | 5.47927 |
| 5.6448 | 6.20109 |
| 6.144 | 6.43076 |
| 8.192 | 7.41506 |
| 11.2896 | 8.49779 |
| 12.288 | 8.89151 |
| 24.576 | 12.2381 |

Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Recommended Current:

2.0 Amps per conductor @ 25°C

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|---------------|----------|-------------|-------|-------|-----------------------|
| 89758 0081000 | 1,000 FT | 204.000 LB | GRAY | С | 18 FS PR #24 FFEP SLF |

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 05-14-2007

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