

For more Information
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1-800-Belden1



Description:

110 Ohm, 26 AWG stranded (7x34) .018" TC conductors, Datalene® insulation, twisted pair, Beldfoil® shield (100% coverage), 26 AWG stranded TC drain wire, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

| # Pairs | AWG | Stranding | Conductor Material | Dia. (mm) |
|---------|-----|-----------|--------------------|-----------|
| 1 | 26 | 7x34 | TC - Tinned Copper | 0.4826 |

Insulation

Insulation Material:

| Insulation Trade Name | Insulation Material | Dia. (mm) |
|-----------------------|--|-----------|
| Datalene® | FHDPE - Foam High Density Polyethylene | 1.2446 |

Outer Shield

Outer Shield Material:

| Outer Shield Trade Name | Type | Outer Shield Material | Coverage (%) |
|-------------------------|------|--|--------------|
| Beldfoil® | Tape | Aluminum Foil-Polyester Tape w/Shorting Fold | 100 |

Outer Shield Drain Wire AWG:

| AWG | Stranding | Drain Wire Conductor Material |
|-----|-----------|-------------------------------|
| 26 | 7x34 | TC - Tinned Copper |

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material |
|--------------------------|
| PVC - Polyvinyl Chloride |

Overall Cabling

Overall Nominal Diameter: 3.658 mm

Pair

Pair Color Code Chart:

| Number | Color |
|--------|---------------|
| 1 | Black & White |

Pair Lay Length & Direction:

| Lay Length (mm) | Twists/ft. (twist/m) |
|-----------------|----------------------|
| 38.09985 | 26.248 |

Mechanical Characteristics (Overall)

| | |
|--|----------------|
| Operating Temperature Range: | -40°C To +75°C |
| Non-UL Temperature Rating: | 75°C |
| Bulk Cable Weight: | 14.882 Kg/Km |
| Max. Recommended Pulling Tension: | 46.706 N |
| Min. Bend Radius (Install)/Minor Axis: | 50.800 mm |

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| | |
|---------------------------------------|------------|
| NEC/(UL) Specification: | CMR |
| CEC/C(UL) Specification: | CMG |
| EU CE Mark: | No |
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2002/95/EC (RoHS): | Yes |
| EU RoHS Compliance Date (mm/dd/yyyy): | 01/01/2004 |
| 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 |
| Other Specification: | AES/EBU |

Flame Test

| | |
|-----------------|--------------------|
| UL Flame Test: | UL1685 FT4 Loading |
| CSA Flame Test: | FT4 |

Plenum/Non-Plenum

| | |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

110

Nom. Inductance:

Inductance (µH/m)

0.75463

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

42.653

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)

85.306

Nominal Velocity of Propagation:

VP (%)

76

Nominal Delay:

Delay (ns/m)

4.39654

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

122.381

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

75.7911

Nom. Attenuation:

Freq. (MHz) Attenuation (dB/100m)

.38 2.75604

.77 3.87158

METRIC MEASUREMENT VERSION

9180 Multi-Conductor - Single-Pair Cable

| | |
|------|---------|
| 1.0 | 4.39654 |
| 1.5 | 5.05274 |
| 2.0 | 5.54489 |
| 3.1 | 6.29952 |
| 4.1 | 7.02134 |
| 5.6 | 7.8744 |
| 8.2 | 9.02275 |
| 11.3 | 10.1383 |
| 12.3 | 10.4336 |
| 24.6 | 13.7802 |

Max. Operating Voltage - UL:

| |
|----------------|
| Voltage |
| 300 V RMS |

Max. Recommended Current:

| |
|-------------------------------|
| Current |
| 1.9 Amps per conductor @ 25°C |

Notes (Overall)

Notes: For cross-connect use with 7891A (et al.) Digital Audio Snake Cables.

Related Documents:

No related documents are available for this product

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|--------------|--------|-------------|---------|-------|----------------------|
| 9180 Z4B1000 | 305 MT | 4.536 KG | VIO Z4B | | 2 #26 FHDPE FS FRPVC |
| 9180 0601000 | 305 MT | 4.536 KG | CHROME | C | 2 #26 FHDPE FS FRPVC |

Notes:
C = CRATE REEL PUT-UP.

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