

9180 Multi-Conductor - Single-Pair Cable

For more Information
please call

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. (in.) |
|---------|-----|-----------|--------------------|------------|
| 1 | 26 | 7x34 | TC - Tinned Copper | .019 |

Insulation

Insulation Material:

| Insulation Trade Name | Insulation Material | Dia. (in.) |
|-----------------------|--|------------|
| Datalene® | FHDPE - Foam High Density Polyethylene | .049 |

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 Cable

Overall Nominal Diameter: 0.144 in.

Pair

Pair Color Code Chart:

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

Pair Lay Length & Direction:

| Lay Length (in.) | Twists/ft. (twist/ft) |
|------------------|-----------------------|
| 1.500 | 8.000 |

Mechanical Characteristics (Overall)

| | |
|--|-----------------|
| Operating Temperature Range: | -40°C To +75°C |
| Non-UL Temperature Rating: | 75°C |
| Bulk Cable Weight: | 10 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 10.500 lbs. |
| Min. Bend Radius (Install)/Minor Axis: | 2 in. |

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/ft)

.23

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

13.0

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

26

Nominal Velocity of Propagation:

VP (%)

76

Nominal Delay:

Delay (ns/ft)

1.34

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

37.3

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

23.1

Nom. Attenuation:

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

.38 0.84

.77 1.18

| | |
|------|------|
| 1.0 | 1.34 |
| 1.5 | 1.54 |
| 2.0 | 1.69 |
| 3.1 | 1.92 |
| 4.1 | 2.14 |
| 5.6 | 2.40 |
| 8.2 | 2.75 |
| 11.3 | 3.09 |
| 12.3 | 3.18 |
| 24.6 | 4.20 |

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 | 1,000 FT | 12.000 LB | VIO Z4B | | 2 #26 FHDPE FS FRPVC |
| 9180 0601000 | 1,000 FT | 12.000 LB | CHROME | C | 2 #26 FHDPE FS FRPVC |

Notes:
C = CRATE REEL PUT-UP.

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