

1800F Multi-Conductor - Single-Pair Cable



For more Information
please call

1-800-Belden1



General Description:

24 AWG stranded (42x40) HC BC conductors, Datalene® insulation, conductors cabled with fillers, TC "French Braid" Shield (95% coverage), BC drain wire, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

| # Pairs | AWG | Stranding | Conductor Material | Dia. (in.) |
|---------|-----|-----------|--------------------|------------|
| 1 | 24 | 42x40 | BC - Bare Copper | .024 |

Total Number of Conductors: 2

Insulation

Insulation Material:

| Insulation Trade Name | Insulation Material | Dia. (in.) |
|-----------------------|--|------------|
| Datalene® | FHDPE - Foam High Density Polyethylene | .058 |

Outer Shield

Outer Shield Material:

| Type | Outer Shield Material | Coverage (%) |
|--------------|-----------------------|--------------|
| French Braid | TC - Tinned Copper | 95 |

Outer Shield Drain Wire AWG:

| AWG | Stranding | Drain Wire Conductor Material |
|-----|-----------|-------------------------------|
| 26 | Stranded | BC - Bare Copper |

Outer Jacket

Outer Jacket Material:

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

Overall Cable

Overall Nominal Diameter: 0.211 in.

Pair

Pair Color Code Chart:

| Number | Color |
|--------|-------------|
| 1 | Red & Black |

Mechanical Characteristics (Overall)

| | |
|-----------------------------------|-----------------|
| Operating Temperature Range: | -20°C To +60°C |
| Non-UL Temperature Rating: | 60°C |
| Bulk Cable Weight: | 24 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 41.500 lbs. |
| Min. Bend Radius/Minor Axis: | 2.250 in. |

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| | |
|---------------------------------------|------------|
| NEC/(UL) Specification: | CL2R |
| 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): | 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 |
| MIL Order #39 (China RoHS): | Yes |
| Other Specification: | AES/EBU Digital Audio |

Flame Test

| | |
|----------------|--------------|
| UL Flame Test: | UL1666 Riser |
|----------------|--------------|

Plenum/Non-Plenum

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

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

| |
|------------------------|
| Impedance (Ohm) |
| 110 |

Nom. Inductance:

| |
|---------------------------|
| Inductance (µH/ft) |
| 0.18 |

Nom. Capacitance Conductor to Conductor:

| |
|----------------------------|
| Capacitance (pF/ft) |
| 12 |

Nom. Capacitance Cond. to Other Conductor & Shield:

| |
|----------------------------|
| Capacitance (pF/ft) |
| 26 |

Nominal Velocity of Propagation:

| |
|---------------|
| VP (%) |
| 76 |

Nom. Conductor DC Resistance:

| |
|---------------------------------|
| DCR @ 20°C (Ohm/1000 ft) |
| 23.7 |

Nominal Outer Shield DC Resistance:

| |
|---------------------------------|
| DCR @ 20°C (Ohm/1000 ft) |
| 6.42 |

Nom. Attenuation:

| Freq. (MHz) | Attenuation (dB/100 ft.) |
|-------------|--------------------------|
| 0.384 | 0.260 |
| 0.706 | 0.480 |
| 0.768 | 0.530 |
| 1.024 | 0.680 |
| 1.411 | 0.890 |
| 1.536 | 0.950 |
| 2.048 | 1.200 |
| 2.822 | 1.500 |
| 3.072 | 1.600 |
| 4.096 | 2.100 |
| 5.645 | 2.800 |
| 6.144 | 3.000 |
| 8.192 | 3.600 |
| 11.290 | 4.500 |
| 12.288 | 4.700 |
| 24.576 | 7.100 |

Max. Operating Voltage - UL:

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

Max. Recommended Current:

| |
|--------------------------------|
| Current |
| 2.75 Amps per conductor @ 25°C |

Notes (Overall)

Notes: Datalene® insulation features include low dielectric constant and a dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|----------------|----------|-------------|--------------|-------|----------------------|
| 1800F B59U1000 | 1,000 FT | 25.000 LB | BLACK, MATTE | | #24 PR FHDPE BRD PVC |

ENGLISH MEASUREMENT VERSION

1800F Multi-Conductor - Single-Pair Cable

| | | | | | |
|----------------|----------|-----------|---------------|---|----------------------|
| 1800F B591000 | 1,000 FT | 25.000 LB | BLACK, MATTE | C | #24 PR FHDPE BRD PVC |
| 1800F B59500 | 500 FT | 13.000 LB | BLACK, MATTE | C | #24 PR FHDPE BRD PVC |
| 1800F G7VU1000 | 1,000 FT | 25.000 LB | RED, MATTE | | #24 PR FHDPE BRD PVC |
| 1800F G7WU1000 | 1,000 FT | 25.000 LB | GREEN, MATTE | | #24 PR FHDPE BRD PVC |
| 1800F G7XU1000 | 1,000 FT | 25.000 LB | BLUE, MATTE | | #24 PR FHDPE BRD PVC |
| 1800F G8MU1000 | 1,000 FT | 25.000 LB | YELLOW, MATTE | | #24 PR FHDPE BRD PVC |
| 1800F U90U1000 | 1,000 FT | 25.000 LB | GRAY, MATTE | | #24 PR FHDPE BRD PVC |
| 1800F Z4BU1000 | 1,000 FT | 25.000 LB | VIO Z4B | | #24 PR FHDPE BRD PVC |

Notes:

C = CRATE REEL PUT-UP.

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- Техническая поддержка проекта;
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Как с нами связаться

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