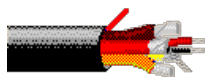


1218B Multi-Conductor - Flexible, Low-Capacitance Cable



For more Information
please call

1-800-Belden1

**General Description:**

22 AWG stranded (7x30) TC conductor, Datalene® insulation, individually shielded with Beldfoil® (100% coverage), numbered/color-coded PVC jackets, pair jackets and shields bonded so both strip simultaneously with automatic stripping equipment.

Physical Characteristics (Overall)**Conductor**

AWG:

| # Pairs | AWG | Stranding | Conductor Material | Dia. (in.) |
|---------|-----|-----------|--------------------|------------|
| 6 | 22 | 7x30 | TC - Tinned Copper | .030 |

Total Number of Conductors: 12

Insulation

Insulation Material:

| Insulation Trade Name | Insulation Material | Dia. (in.) |
|-----------------------|--|------------|
| Datalene® | FHDPE - Foam High Density Polyethylene | 0.060 |

Inner Shield

Inner Shield Material:

| Inner Shield Trade Name | Type | Inner Shield Material | Coverage (%) |
|-------------------------|------|------------------------------|--------------|
| Beldfoil® | Tape | Aluminum Foil-Polyester Tape | 100 |

Inner Shield Drain Wire AWG:

| AWG |
|-----|
| 22 |

Inner Shield Drain Wire Stranding: 7x30

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

Inner Jacket

Inner Jacket Material:

| Inner Jacket Material | Nom. Dia. (in.) |
|--------------------------|-----------------|
| PVC - Polyvinyl Chloride | 0.153 |

Inner Jacket Color Code Chart:

| Number | Color |
|--------|--------|
| 1 | Brown |
| 2 | Red |
| 3 | Orange |
| 4 | Yellow |
| 5 | Green |
| 6 | Blue |

Outer Jacket

Outer Jacket Material:

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

Outer Jacket Ripcord: Yes

Overall Cable

Overall Nominal Diameter: 0.578 in.

Pair

Pair Color Code Chart:

| Color |
|-------------|
| Red & Black |

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +60°C

Non-UL Temperature Rating: 60°C

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| | |
|-----------------------------------|------------------|
| Bulk Cable Weight: | 148 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 164 lbs. |
| Min. Bend Radius/Minor Axis: | 5.750 in. |

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| | |
|---------------------------------------|------------|
| 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 |

Plenum/Non-Plenum

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

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

70

Nom. Inductance:

Inductance (µH/ft)

.20

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

19

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

35

Nominal Velocity of Propagation:

VP (%)

78

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

15

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: 10.600 Ohm/1000 ft

Max. Operating Voltage - Non-UL:

Voltage

150 V RMS

300 V RMS

Max. Recommended Current:

Current

2 Amps per conductor @ 20°C

Notes (Overall)

Notes: Datalene® insulation features include a low dielectric constant and a low dissipation factor for high-speed, low distortion data handling. Physical properties include good crush resistance and light weight. Pair jackets and shields are bonded so both strip simultaneously with automatic stripping equipment.

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|---------------|----------|-------------|--------------|-------|---------------------------|
| 1218B B591000 | 1,000 FT | 155.000 LB | BLACK, MATTE | C | 6 PR #22 FHDPE FS PVC PVC |
| 1218B B59500 | 500 FT | 82.500 LB | BLACK, MATTE | C | 6 PR #22 FHDPE FS PVC PVC |

Notes:

C = CRATE REEL PUT-UP.

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