

1812A Multi-Conductor - Two-Conductor, Low-Impedance Cable



For more Information
please call

1-800-Belden1



General Description:

24 AWG stranded (42x40) high-conductivity BC conductors, PVC insulation, double bare copper spiral shield (95% coverage), PVC outer jacket.

Physical Characteristics (Overall)

Conductor

AWG:

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|------------------------------------|
| 2 | 24 | 42x40 | High Conductivity BC - Bare Copper |

Total Number of Conductors: 2

Insulation

Insulation Material:

| Insulation Material | Wall Thickness (mm) | Dia. (mm) |
|--------------------------|---------------------|-----------|
| PVC - Polyvinyl Chloride | 0.3048 | 1.1938 |

Inner Jacket

Inner Jacket Material:

| Inner Jacket Material |
|--------------------------|
| PVC - Polyvinyl Chloride |

Outer Shield

Outer Shield Material:

| Type | Outer Shield Material | Coverage (%) |
|---------------------|-----------------------|--------------|
| Double Spiral Serve | BC - Bare Copper | 95 |

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material | Nom. Wall Thickness (mm) |
|--------------------------|--------------------------|
| PVC - Polyvinyl Chloride | 0.9398 |

Overall Cable

Overall Nominal Diameter: 5.410 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +60°C

Non-UL Temperature Rating: 60°C

Bulk Cable Weight: 44.646 Kg/Km

Max. Recommended Pulling Tension: 44.482 N

Min. Bend Radius/Minor Axis: 57.150 mm

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

MII Order #39 (China RoHS): Yes

Plenum/Non-Plenum

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METRIC MEASUREMENT VERSION

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Plenum (Y/N):

No

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (µH/m)
0.643076

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
108.273

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
177.174

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
76.4473

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
17.3893

Max. Operating Voltage - Non-UL:

Voltage
100 V RMS

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|----------------|----------|-------------|--------------|-------|-----------------------|
| 1812A B59N1000 | 1,000 FT | 33.000 LB | BLACK, MATTE | | 2 #24 PVC PVC SRV PVC |
| 1812A B591000 | 1,000 FT | 33.000 LB | BLACK, MATTE | C | 2 #24 PVC PVC SRV PVC |
| 1812A B59328 | 328 FT | 10.496 LB | BLACK, MATTE | | 2 #24 PVC PVC SRV PVC |
| 1812A G7VN1000 | 1,000 FT | 33.000 LB | RED, MATTE | | 2 #24 PVC PVC SRV PVC |
| 1812A G7V328 | 328 FT | 10.496 LB | RED, MATTE | | 2 #24 PVC PVC SRV PVC |
| 1812A G7WN1000 | 1,000 FT | 33.000 LB | GREEN, MATTE | | 2 #24 PVC PVC SRV PVC |
| 1812A G7W1000 | 1,000 FT | 33.000 LB | GREEN, MATTE | | 2 #24 PVC PVC SRV PVC |
| 1812A G7XN1000 | 1,000 FT | 33.000 LB | BLUE, MATTE | | 2 #24 PVC PVC SRV PVC |
| 1812A G7X1000 | 1,000 FT | 33.000 LB | BLUE, MATTE | C | 2 #24 PVC PVC SRV PVC |

Notes:

C = CRATE REEL PUT-UP.

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