

Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION

1813A Multi-Conductor - Two-Conductor, Low-Impedance Cable



For more Information
please call

1-800-Belden1



General Description:

24 AWG stranded (27x38) high-conductivity bare copper conductors, PVC insulation, bare copper spiral shield (90% coverage), PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

| # Pairs | AWG | Stranding | Conductor Material |
|---------|-----|-----------|------------------------------------|
| 1 | 24 | 27x38 | High Conductivity BC - Bare Copper |

Total Number of Conductors: 2

Insulation

Insulation Material:

| Insulation Material | Dia. (mm) |
|--------------------------|-----------|
| PVC - Polyvinyl Chloride | 1.4986 |

Outer Shield

Outer Shield Material:

| Type | Outer Shield Material | Coverage (%) |
|--------------|-----------------------|--------------|
| Spiral Serve | BC - Bare Copper | 90.000 |

Outer Jacket

Outer Jacket Material:

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

Overall Cable

Overall Nominal Diameter: 5.994 mm

Pair

Pair Color Code Chart:

| Number | Color |
|--------|------------|
| 1 | Blue & Red |

Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 44.646 Kg/Km

Max. Recommended Pulling Tension: 44.482 N

Min. Bend Radius/Minor Axis: 63.500 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): 04/01/2005

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

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

Electrical Characteristics (Overall)

Nom. Inductance:

| |
|-------------------------|
| Inductance (μ H/m) |
| 0.718539 |

Nom. Capacitance Conductor to Conductor:

| |
|--------------------|
| Capacitance (pF/m) |
| 108.273 |

Nom. Capacitance Cond. to Other Conductor & Shield:

| |
|--------------------|
| Capacitance (pF/m) |
| 200.141 |

Nom. Conductor DC Resistance:

| |
|---------------------|
| DCR @ 20°C (Ohm/km) |
| 74.8068 |

Nominal Outer Shield DC Resistance:

| |
|---------------------|
| DCR @ 20°C (Ohm/km) |
| 38.0596 |

Max. Operating Voltage - Non-UL:

| |
|-----------|
| Voltage |
| 100 V RMS |

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|---------------|--------|-------------|--------------|-------|-------------------|
| 1813A B591000 | 305 MT | 14.969 KG | BLACK, MATTE | C | 2 #24 PVC SRV PVC |
| 1813A B59328 | 100 MT | 3.422 KG | BLACK, MATTE | C | 2 #24 PVC SRV PVC |

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 10-15-2012

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