

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



For more Information  
please call

1-800-Belden1

**Description:**

24 AWG stranded (27x38) high-conductivity bare copper conductors, PVC insulation, bare copper spiral shield (92% coverage), PVC jacket.

**Physical Characteristics (Overall)****Conductor****AWG:**

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

**Insulation****Insulation Material:**

| Insulation Material      | Dia. (in.) |
|--------------------------|------------|
| PVC - Polyvinyl Chloride | .059       |

**Outer Shield****Outer Shield Material:**

| Type         | Outer Shield Material | Coverage (%) |
|--------------|-----------------------|--------------|
| Spiral Serve | BC - Bare Copper      | 92           |

**Outer Jacket****Outer Jacket Material:**

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

**Overall Cable**

**Overall Nominal Diameter:** 0.236 in.

**Pair****Pair Color Code Chart:**

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

**Pair Lay Length & Direction:**

| Lay Length (in.) | Twists/ft. (twist/ft) |
|------------------|-----------------------|
| 1.250            | 9.600                 |

**Mechanical Characteristics (Overall)**

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

**Bulk Cable Weight:** 20 lbs/1000 ft.

**Max. Recommended Pulling Tension:** 10 lbs.

**Min. Bend Radius (Install)/Minor Axis:** 2.500 in.

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

**EU CE Mark:** Yes

**EU Directive 2000/53/EC (ELV):** Yes

**EU Directive 2002/95/EC (RoHS):** Yes

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EU RoHS Compliance Date (mm/dd/yyyy): 04/01/2005

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire &amp; Cable): Yes

MII Order #39 (China RoHS): Yes

## Plenum/Non-Plenum

Plenum (Y/N): No

## Electrical Characteristics (Overall)

## Nom. Inductance:

Inductance (μH/ft)

.219

## Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

33

## Nom. Capacitance Cond. to Other Conductor &amp; Shield:

Capacitance (pF/ft)

61

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

22.8

## Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

11.6

## Max. Operating Voltage - Non-UL:

Voltage

100 V RMS

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

| Item #        | Putup    | Ship Weight | Color        | Notes | Item Desc         |
|---------------|----------|-------------|--------------|-------|-------------------|
| 1813A B591000 | 1,000 FT | 33.000 LB   | BLACK, MATTE | C     | 2 #24 PVC SRV PVC |
| 1813A B59328  | 328 FT   | 7.544 LB    | BLACK, MATTE | C     | 2 #24 PVC SRV PVC |

## Notes:

C = CRATE REEL PUT-UP.

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.