

## 1883A Multi-Conductor - Single-Pair Cable

For more Information  
please call

1-800-Belden1



### Description:

24 AWG stranded (7x32) TC conductors, polypropylene insulation, twisted pair, overall Beldfoil shield (100% coverage), 24 AWG stranded TC drain wire, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

| # Pairs | AWG | Stranding | Conductor Material | Dia. (in.) |
|---------|-----|-----------|--------------------|------------|
| 1       | 24  | 7x32      | TC - Tinned Copper | .024       |

#### Insulation

##### Insulation Material:

| Insulation Material | Dia. (in.) |
|---------------------|------------|
| PP - Polypropylene  | .040       |

#### Outer Shield

##### Outer Shield Material:

| Outer Shield Trade Name | Type | Outer Shield Material        | Coverage (%) |
|-------------------------|------|------------------------------|--------------|
| Beldfoil®               | Tape | Aluminum Foil-Polyester Tape | 100.000      |

##### Outer Shield Drain Wire AWG:

| AWG | Stranding | Drain Wire Conductor Material |
|-----|-----------|-------------------------------|
| 24  | 7x32      | TC - Tinned Copper            |

#### Outer Jacket

##### Outer Jacket Material:

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

#### Overall Cabling

Overall Nominal Diameter: 0.123 in.

#### Pair

##### Pair Color Code Chart:

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

##### Pair Lay Length & Direction:

| Lay Length (in.) | Twists/ft. (twist/ft) |
|------------------|-----------------------|
| 1.5              | 8                     |

### Mechanical Characteristics (Overall)

|                                        |                 |
|----------------------------------------|-----------------|
| Operating Temperature Range:           | -30°C To +60°C  |
| Bulk Cable Weight:                     | 10 lbs/1000 ft. |
| Max. Recommended Pulling Tension:      | 16 lbs.         |
| Min. Bend Radius (Install)/Minor Axis: | 1.200 in.       |

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMR

|                                       |            |
|---------------------------------------|------------|
| CEC/C(UL) Specification:              | CMG        |
| EU CE Mark:                           | No         |
| 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        |

**Flame Test**

|                 |                   |
|-----------------|-------------------|
| UL Flame Test:  | UL1685 UL Loading |
| CSA Flame Test: | FT4               |

**Plenum/Non-Plenum**

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

**Electrical Characteristics (Overall)****Nom. Characteristic Impedance:**

Impedance (Ohm)

52

**Nom. Inductance:**Inductance ( $\mu$ H/ft)

.17

**Nom. Capacitance Conductor to Conductor:**

Capacitance (pF/ft)

31

**Nom. Capacitance Cond. to Other Conductor & Shield:**

Capacitance (pF/ft)

58

**Nominal Velocity of Propagation:**

VP (%)

66

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)

23.5

**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)

18.5

**Max. Operating Voltage - UL:**

Voltage

300 V RMS

**Max. Recommended Current:**

Current

2 Amps per conductor @ 25°C

**Notes (Overall)**

**Notes:** Jacket and shield are bonded so both can be removed with automatic stripping equipment. For cross-connect use with 1408R Snake Cables.

**Related Documents:**

No related documents are available for this product

### Put Ups and Colors:

| Item #         | Putup    | Ship Weight | Color       | Notes | Item Desc         |
|----------------|----------|-------------|-------------|-------|-------------------|
| 1883A N3UU1000 | 1,000 FT | 12.000 LB   | GREEN, MIL  |       | 2 #24 PP FS FRPVC |
| 1883A 001U1000 | 1,000 FT | 12.000 LB   | BROWN       |       | 2 #24 PP FS FRPVC |
| 1883A 002U1000 | 1,000 FT | 12.000 LB   | RED         |       | 2 #24 PP FS FRPVC |
| 1883A 006U1000 | 1,000 FT | 12.000 LB   | BLUE, LIGHT |       | 2 #24 PP FS FRPVC |
| 1883A 007U1000 | 1,000 FT | 12.000 LB   | VIOLET      |       | 2 #24 PP FS FRPVC |
| 1883A 008U1000 | 1,000 FT | 12.000 LB   | GRAY        |       | 2 #24 PP FS FRPVC |
| 1883A 0081000  | 1,000 FT | 11.000 LB   | GRAY        |       | 2 #24 PP FS FRPVC |
| 1883A 009U1000 | 1,000 FT | 12.000 LB   | WHITE       |       | 2 #24 PP FS FRPVC |
| 1883A 010U1000 | 1,000 FT | 12.000 LB   | BLACK       |       | 2 #24 PP FS FRPVC |

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#### Как с нами связаться

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