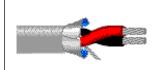


# 1883A Paired - Single-Pair Cable





For more information please call 1-800-Belden1

See Put-ups and Colors

# **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:

#### **CONDUCTOR:**

| Number of Pairs            | 1                  |  |
|----------------------------|--------------------|--|
| Total Number of Conductors | 2                  |  |
| AWG                        | 24                 |  |
| Stranding                  | 7x32               |  |
| Conductor Diameter         | .024 in.           |  |
| Conductor Material         | TC - Tinned Copper |  |

#### INSULATION:

| Insulation Material | PP - Polypropylene |
|---------------------|--------------------|
| Insulation Diameter | .040 in.           |
| Lay Length          | 1.5 in.            |
| Twists/ft.          | 8                  |

#### Pair Color Code Chart:

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

# **OUTER SHIELD:**

| Outer Shield Material Trade Name  | Beldfoil® (Z-Fold®)          |
|-----------------------------------|------------------------------|
| Outer Shield Type                 | Tape                         |
| Outer Shield Material             | Aluminum Foil-Polyester Tape |
| Outer Shield %Coverage            | 100 %                        |
| OUTER SHIELD DRAIN WIRE:          |                              |
| Outer Shield Drain Wire AWG       | 24                           |
| Outer Shield Drain Wire Stranding | 7x32                         |

# Outer Shield Drain Wire Conductor Material OUTER JACKET:

Outer Jacket Material PVC - Polyvinyl Chloride

TC - Tinned Copper

# **OVERALL NOMINAL DIAMETER:**



# 1883A Paired - Single-Pair Cable

| Overall Nominal Diameter     | .123 in.  |
|------------------------------|-----------|
| Overali Nollillai Diallietei | .123 III. |

#### **MECHANICAL CHARACTERISTICS:**

| Operating Temperature Range      | -30°C To +60°C   |
|----------------------------------|------------------|
| Bulk Cable Weight                | 9.7 lbs/1000 ft. |
| Max. Recommended Pulling Tension | 16 lbs.          |
| Min. Bend Radius (Install)       | 1.2 in.          |

# APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

#### **APPLICABLE STANDARDS:**

| NEC/(UL) Specification                | CMR        |
|---------------------------------------|------------|
| CEC/C(UL) Specification               | CMG        |
| EU CE Mark (Y/N)                      | No         |
| EU RoHS Compliant (Y/N)               | Yes        |
| EU RoHS Compliance Date (mm/dd/yyyy): | 01/01/2004 |

#### FLAME TEST:

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

#### PLENUM/NON-PLENUM:

# **ELECTRICAL CHARACTERISTICS:**

| Nom. Characteristic Impedance                   | 52 Ohms                     |
|---|-----------------------------|
| Nom. Inductance                                 | .17 μH/ft                   |
| Nom. Capacitance Conductor to Conductor @ 1 KHz | 31 pF/ft                    |
| Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz | 58 pF/ft                    |
| Nominal Velocity of Propagation                 | 66 %                        |
| Nom. Conductor DC Resistance @ 20 Deg. C        | 23.5 Ohms/1000 ft           |
| Nominal Outer Shield DC Resistance @ 20 Deg. C  | 18.5 Ohms/1000 ft           |
| Max. Operating Voltage - UL                     | 300 V RMS                   |
| Max. Recommended Current                        | 2 Amps per conductor @ 25°C |

#### **NOTES:**

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

# **PUT-UPS AND COLORS:**

| Item           | Description       | Put-Up (ft.) | Ship Weight (lbs.) | Jacket Color | Notes |
|----------------|-------------------|--------------|--------------------|--------------|-------|
| 1883A 001U1000 | 2 #24 PP FS FRPVC | U1000        | 11                 | BROWN        |       |
| 1883A 002U1000 | 2 #24 PP FS FRPVC | U1000        | 11                 | RED          |       |

# Detailed Specifications & Technical Data



# 1883A Paired - Single-Pair Cable

| 1883A 006U1000 | 2 #24 PP FS FRPVC | U1000 | 11 | BLUE, LIGHT |  |
|----------------|-------------------|-------|----|-------------|--|
| 1883A 007U1000 | 2 #24 PP FS FRPVC | U1000 | 11 | VIOLET      |  |
| 1883A 0081000  | 2 #24 PP FS FRPVC | 1000  | 11 | GRAY        |  |
| 1883A 008U1000 | 2 #24 PP FS FRPVC | U1000 | 11 | GRAY        |  |
| 1883A 009U1000 | 2 #24 PP FS FRPVC | U1000 | 11 | WHITE       |  |
| 1883A 010U1000 | 2 #24 PP FS FRPVC | U1000 | 11 | BLACK       |  |
| 1883A N3UU1000 | 2 #24 PP FS FRPVC | U1000 | 11 | GREEN, MIL  |  |

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