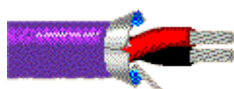


## 1801B Multi-Conductor - Single-Pair Cable



For more Information  
please call

1-800-Belden1

**Description:**

24 AWG stranded (7x32) tinned copper conductors, plenum, foam FEP Teflon® insulation, twisted pairs, overall Beldfoil® shield (100% coverage), 24 AWG drain wire, Flammarrest® jacket.

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

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

Total Number of Conductors: 2

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

| Insulation Trade Name | Insulation Material                        | Dia. (in.) |
|-----------------------|--------------------------------------------|------------|
| Teflon®               | FFEP - Foam Fluorinated Ethylene Propylene | .066       |

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

| Outer Shield Trade Name | Type | Outer Shield Material        | Coverage (%) |
|-------------------------|------|------------------------------|--------------|
| Beldfoil®               | Tape | Aluminum Foil-Polyester Tape | 100          |

**Outer Shield Drain Wire AWG:**

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

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

| Outer Jacket Trade Name | Outer Jacket Material                 |
|-------------------------|---------------------------------------|
| Flammarrest®            | LS PVC - Low Smoke Polyvinyl Chloride |

**Overall Cable**

Overall Nominal Diameter: 0.165 in.

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

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

**Mechanical Characteristics (Overall)**

|                                   |                 |
|-----------------------------------|-----------------|
| Operating Temperature Range:      | -20°C To +75°C  |
| UL Temperature Rating:            | 75°C            |
| Bulk Cable Weight:                | 12 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 16.500 lbs.     |
| Min. Bend Radius/Minor Axis:      | 1.750 in.       |

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

NEC/(UL) Specification: CMP

## 1801B Multi-Conductor - Single-Pair Cable

|                                       |            |
|---------------------------------------|------------|
| CEC/C(UL) Specification:              | CMP        |
| 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): | 10/01/2005 |
| 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        |
| Other Specification:                  | AES/EBU    |

## Flame Test

|                 |     |
|-----------------|-----|
| CSA Flame Test: | FT6 |
|-----------------|-----|

## Plenum/Non-Plenum

|                    |       |
|--------------------|-------|
| Plenum (Y/N):      | Yes   |
| Non-Plenum Number: | 1800B |

## Electrical Characteristics (Overall)

## Nom. Characteristic Impedance:

| Impedance (Ohm) |
|-----------------|
| 110             |

## Nom. Inductance:

| Inductance (μH/ft) |
|--------------------|
| .18                |

## Nom. Capacitance Conductor to Conductor:

| Capacitance (pF/ft) |
|---------------------|
| 12                  |

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

| Capacitance (pF/ft) |
|---------------------|
| 26                  |

## Nominal Velocity of Propagation:

| VP (%) |
|--------|
| 78     |

## Nom. Conductor DC Resistance:

| DCR @ 20°C (Ohm/1000 ft) |
|--------------------------|
| 23.7                     |

## Nom. Attenuation:

| Freq. (MHz) | Attenuation (dB/100 ft.) |
|-------------|--------------------------|
| .384        | .82                      |
| .7056       | 1.01                     |
| .768        | 1.02                     |
| 1.024       | 1.08                     |
| 1.4112      | 1.15                     |
| 1.536       | 1.16                     |
| 2.048       | 1.23                     |
| 2.8224      | 1.34                     |
| 3.072       | 1.38                     |
| 4.096       | 1.58                     |
| 5.6448      | 1.79                     |
| 6.144       | 1.85                     |
| 8.192       | 2.05                     |
| 11.2896     | 2.34                     |
| 12.288      | 2.43                     |

## 1801B Multi-Conductor - Single-Pair Cable

|        |      |
|--------|------|
| 24.576 | 3.33 |
|--------|------|

**Max. Operating Voltage - UL:**

|                |
|----------------|
| <b>Voltage</b> |
| 300 V RMS      |

**Max. Recommended Current:**

|                                |
|--------------------------------|
| <b>Current</b>                 |
| 2.75 Amps per conductor @ 25°C |

**Notes (Overall)**

**Notes:** Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.

**Put Ups and Colors:**

| Item #         | Putup    | Ship Weight | Color    | Notes | Item Desc             |
|----------------|----------|-------------|----------|-------|-----------------------|
| 1801B Z4BU1000 | 1,000 FT | 14.000 LB   | VIO Z4B  |       | 2 #24 NFFEP FS FLMRST |
| 1801B Z4B1000  | 1,000 FT | 14.000 LB   | VIO Z4B  | C     | 2 #24 NFFEP FS FLMRST |
| 1801B Z4B500   | 500 FT   | 8.000 LB    | VIO Z4B  |       | 2 #24 NFFEP FS FLMRST |
| 1801B 877U1000 | 1,000 FT | 14.000 LB   | TAN, OAK |       | 2 #24 NFFEP FS FLMRST |
| 1801B 8771000  | 1,000 FT | 14.000 LB   | NATURAL  | C     | 2 #24 NFFEP FS FLMRST |
| 1801B 877500   | 500 FT   | 6.000 LB    | NATURAL  | C     | 2 #24 NFFEP FS FLMRST |

**Notes:**

C = CRATE REEL PUT-UP.

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- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
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- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
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