

1817WB Multi-Conductor - Analog Multi-Paired Snake Cable



For more Information
please call

1-800-Belden1

**Description:**

22 AWG stranded (7x30) TC conductor, polyolefin insulation, individually shielded with bonded Beldfoil®, numbered/color-coded PVC jackets, jackets and shields are bonded so both strip simultaneously, overall black PVC jacket and nylon rip cord.

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

| # Pairs | AWG | Stranding | Conductor Material | Dia. (in.) |
|---------|-----|-----------|--------------------|------------|
| 8 | 22 | 7x30 | TC - Tinned Copper | .030 |

Insulation**Insulation Material:**

| Insulation Material | Dia. (in.) |
|---------------------|------------|
| PO - Polyolefin | .050 |

Inner Shield**Inner Shield Material:**

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

Inner Shield Drain Wire AWG:

| AWG |
|-----|
| 22 |

Inner Shield Drain Wire Stranding: 7x30

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

Inner Jacket**Inner Jacket Material:**

| Inner Jacket Material | Nom. Dia. (in.) |
|--------------------------|-----------------|
| PVC - Polyvinyl Chloride | 0.133 |

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 |
|-----|-----------|-------------------------------|
| 18 | 19x30 | TC - Tinned Copper |

Outer Jacket**Outer Jacket Material:**

| Outer Jacket Material |
|----------------------------------|
| HDPE - High Density Polyethylene |

Outer Jacket Ripcord: Yes

Overall Cable**Overall Cabling Color Code Chart:**

| Number | Color |
|--------|-------|
| 1 | Brown |

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| | |
|---|--------|
| 2 | Red |
| 3 | Orange |
| 4 | Yellow |
| 5 | Green |
| 6 | Blue |
| 7 | Purple |
| 8 | Gray |

Overall Nominal Diameter: 0.537 in.

Pair

Pair Color Code Chart:

| Color |
|-------------|
| Red & Black |

Mechanical Characteristics (Overall)

| | |
|--|------------------|
| Operating Temperature Range: | -20°C To +60°C |
| Bulk Cable Weight: | 150 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 243 lbs. |
| Min. Bend Radius (Install)/Minor Axis: | 5.500 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 |
| EU RoHS Compliance Date (mm/dd/yyyy): | 07/20/2011 |
| 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 |

Suitability

| | |
|------------------------|-----|
| Suitability - Indoor: | Yes |
| Suitability - Outdoor: | Yes |
| Suitability - Aerial: | Yes |
| Suitability - Burial: | Yes |
| Sunlight Resistance: | Yes |

Plenum/Non-Plenum

| | |
|----------------|-------|
| Plenum (Y/N): | No |
| Plenum Number: | 1817P |

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

| Impedance (Ohm) |
|-----------------|
| 50 |

Nom. Inductance:

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

Nom. Capacitance Conductor to Conductor:

| Capacitance (pF/ft) |
|---------------------|
| 31 |

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Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

56

Nominal Velocity of Propagation:

VP (%)

66

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

14.8

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

11.8

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: 14.100 Ohm/1000 ft

Max. Operating Voltage - UL:

Voltage

300 V RMS

Max. Recommended Current:

Current

1.45 Amps per conductor @ 25°C

Notes (Overall)

Notes: Pair jackets and shields are bonded so both strip simultaneously with automatic stripping equipment. Beldfoil® provides high reliability with ease of termination.

Related Documents:

No related documents are available for this product

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|----------------|----------|-------------|-------|-------|-------------------------|
| 1817WB 0101000 | 1,000 FT | 143.000 LB | BLACK | | 8 FS PR #22 PVC FS HDPE |

Revision Number: 0 Revision Date: 12-19-2011

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