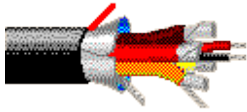


## 1816WB Multi-Conductor - Analog Multi-Paired Snake Cable

For more Information  
please call

1-800-Belden1



### General 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.

### Usage (Overall)

**Suitable Applications:** Outdoor Applications, Sports Stadium

### Physical Characteristics (Overall)

#### Conductor

**AWG:**

# Pairs	AWG	Stranding	Conductor Material	Dia. (mm)
6	22	7x30	TC - Tinned Copper	0.762

**Total Number of Conductors:** 12

#### Insulation

**Insulation Material:**

Insulation Material	Dia. (mm)
PO - Polyolefin	1.27

#### 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. (mm)
PVC - Polyvinyl Chloride	3.3782

#### 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

## 1816WB Multi-Conductor - Analog Multi-Paired Snake Cable

### Overall Cable

#### Overall Cabling Color Code Chart:

Number	Color
1	Brown
2	Red
3	Orange
4	Yellow
5	Green
6	Blue

Overall Nominal Diameter: 12.344 mm

### Pair

#### Pair Color Code Chart:

Color
Red & Black

### Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +60°C
Bulk Cable Weight:	193.466 Kg/Km
Max. Recommended Pulling Tension:	840.710 N
Min. Bend Radius/Minor Axis:	127 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

EU Directive 2011/65/EU (ROHS II):	Yes
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:	6545PA, 1816P

### Electrical Characteristics (Overall)

#### Nom. Characteristic Impedance:

Impedance (Ohm)
50

#### Nom. Inductance:

Inductance (µH/m)
0.59058

METRIC MEASUREMENT VERSION

## 1816WB Multi-Conductor - Analog Multi-Paired Snake Cable

### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
101.711

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

Capacitance (pF/m)
183.736

### Nominal Velocity of Propagation:

VP (%)
66

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
48.5588

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
38.7158

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: 46.262 Ohm/km

### 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.

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1816WB 0101000	1,000 FT	117.000 LB	BLACK		6 FS PR #22 PVC FS PO
1816WB 0104000	4,000 FT	500.000 LB	BLACK		6 FS PR #22 PVC FS PO
1816WB 010500	500 FT	63.500 LB	BLACK		6 FS PR #22 PVC FS PO

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