

1814WB 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, waterblock tape, overall black PE 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)
2	22	7x30	TC - Tinned Copper	0.762

Total Number of Conductors: 4

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:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100.000
2		Waterblocking Tape		100.000

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
20	7x30	TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
HDPE - High Density Polyethylene

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Outer Jacket Ripcord: Yes

Overall Cable

Overall Cabling Color Code Chart:

Number	Color
1	Brown
2	Red

Overall Nominal Diameter: 9.195 mm

Pair

Pair Color Code Chart:

Color
Red & Black

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +60°C

Bulk Cable Weight: 77.386 Kg/Km

Max. Recommended Pulling Tension: 284.685 N

Min. Bend Radius/Minor Axis: 95.250 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): 10/03/2011

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: 6541PA

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
50

Nom. Inductance:

Inductance (µH/m)
0.59058

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

METRIC MEASUREMENT VERSION

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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
1814WB 0101000	1,000 FT	53.000 LB	BLACK		2 FS PR #22 PVC FS PO
1814WB 0102000	2,000 FT	102.000 LB	BLACK		2 FS PR #22 PVC FS PO
1814WB 010500	500 FT	28.000 LB	BLACK	C	2 FS PR #22 PVC FS PO

Notes:
C = CRATE REEL PUT-UP.

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