

## 2814RW Multi-Conductor - Analog Audio Indoor/Outdoor Stadium Cable



For more Information  
please call

1-800-Belden1



### General Description:

2 PAIR 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, water blocking tape, overall black CPE jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (mm)
2	22	7x30	TC - Tinned Copper	0.737

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

##### Inner Jacket Color Code Chart:

Number	Color
1	Brown
2	Red

#### 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
22	7x30	TC - Tinned Copper

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Material
CPE

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Outer Jacket Ripcord: Yes

Outer Jacket Separator Material: Water blocking tape (between outer shield and outer jacket)

### Overall Cable

Overall Cabling Color Code Chart:

Number	Color
1	Brown
2	Red

Overall Nominal Diameter: 9.093 mm

### Pair

Pair Color Code Chart:

Color
Red & Black

### Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +75°C

UL Temperature Rating: 75C

Bulk Cable Weight: 84.827 Kg/Km

Max. Recommended Pulling Tension: 284.685 N

Min. Bend Radius/Minor Axis: 91.440 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMR

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): 08/23/2016

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

#### Flame Test

UL Flame Test: UL1666 Vertical Tray

#### Suitability

Suitability - Indoor: Yes

Suitability - Outdoor: Yes - Black only.

Suitability - Aerial: Yes - Black only, when supported by messenger wire.

Sunlight Resistance: Yes - Black only.

#### Plenum/Non-Plenum

Plenum (Y/N): No

### Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
50

Nom. Inductance:

METRIC MEASUREMENT VERSION

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**Inductance (µH/m)**

0.59058

**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. Suitable for below grade applications.

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
2814RW 0101000	1,000 FT	68.000 LB	BLACK		2PR22 JKT SNAKE INDOOR/OUTDOOR
2814RW 0105000	5,000 FT	380.000 LB	BLACK	C Z	2PR22 JKT SNAKE INDOOR/OUTDOOR

**Notes:**

C = CRATE REEL PUT-UP.

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

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