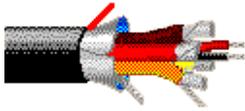


For more Information  
please call

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.)
12	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	.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
PVC - Polyvinyl Chloride

Outer Jacket Ripcord: Yes

### Overall Cable

#### Overall Cabling Color Code Chart:

Number	Color
1	Brown

2	Red
3	Orange
4	Yellow
5	Green
6	Blue
7	Purple
8	Gray
9	White
10	Black
11	Tan
12	Pink

**Overall Nominal Diameter:** 0.638 in.

## Pair

### Pair Color Code Chart:

Color
Red & Black

### Pair Lay Length & Direction:

Lay Length (in.)	Twists/ft. (twist/ft)
1.500	8.000

## Mechanical Characteristics (Overall)

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

**Bulk Cable Weight:** 225 lbs/1000 ft.

**Max. Recommended Pulling Tension:** 365 lbs.

**Min. Bend Radius (Install)/Minor Axis:** 6.500 in.

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

**NEC/(UL) Specification:** CMR

**CEC/C(UL) Specification:** CMG

**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):** 01/01/2004

**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 Riser

**CSA Flame Test:** FT4

### Plenum/Non-Plenum

**Plenum (Y/N):** No

**Plenum Number:** 1818P

## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

Impedance (Ohm)
50

### Nom. Inductance:

**Inductance (μH/ft)**

.18

**Nom. Capacitance Conductor to Conductor:**

**Capacitance (pF/ft)**

31

**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
1818R 0101000	1,000 FT	241.000 LB	BLACK	C	12 #22 FS PR PVC FS PVC
1818R 010500	500 FT	121.000 LB	BLACK	C	12 #22 FS PR PVC FS PVC

**Notes:**

C = CRATE REEL PUT-UP.

Revision Number: 1    Revision Date: 12-19-2011

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## 1818R Multi-Conductor - CMR Rated Cable

determining the applicability of legislation and regulations based on their individual usage of the product.  
Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.