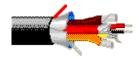


1822R Multi-Conductor - CMR Rated Cable





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.)
26	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:

		Conductor Material
22	7x30	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	Туре	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

Outer Shield Drain Wire AWG:

A۷	VG Stra	inding Drain	Wire Conductor Material
18	19x	30 TC -	Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Outer Jacket Ripcord: Yes

Overall Cabling

Overall Cabling Color Code Chart:

Number	Color
1	Brown Print
2	Red Print
3	Orange Print
4	Yellow Print



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5	Green Print
6	Blue Print
7	Purple Print
8	Gray Print
9	White Print
10	Black Print
11	Tan Print
12	Pink Print
13	Gray/Brown Stripe Print
14	Gray/Red Stripe Print
15	Gray/Orange Stripe Print
16	Gray/Yellow Stripe Print
17	Gray/Green Stripe Print
18	Gray/Blue Stripe Print
19	Gray/Purple Stripe Print
20	Gray/Gray Stripe Print
21	Gray/White Stripe Print
22	Gray/Black Stripe Print
23	Gray/Tan Stripe Print
24	Gray/Pink Stripe Print
25	Blue/Brown Stripe Print
26	Blue/Red Stripe Print

Overall Nominal Diameter:

0.989 in.

Pair

Pair Color Code Chart:

Color Red and Black

Pair Lay Length & Direction:

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

 1.500
 8.000

Mechanical	Characteristics	(Overall)
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Operating Temperature Range: -20°C To +60°C

Bulk Cable Weight: 433.100 lbs/1000 ft.

Max. Recommended Pulling Tension: 734.400 lbs.

Min. Bend Radius (Install)/Minor Axis: 9.250 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



Detailed Specifications & Technical Data





1822R Multi-Conductor - CMR Rated Cable

	10221\ Multi-Ooliductor - OMI\ Nated Gable
Plenum/Non-Plenum	
Plenum (Y/N):	No
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.

Put Ups and Colors:

Ship Weight Notes **Item Desc**

Revision Number: 1 Revision Date: 04-18-2008

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Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



1822R Multi-Conductor - CMR Rated Cable

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