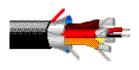


METRIC MEASUREMENT VERSION

1823R Multi-Conductor - CMR Rated 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.

······································	
Physical Characteristics (Overall)	
Conductor AWG:	
# Pairs AWG Stranding Conductor Material Dia. (mm)	
32 22 7x30 TC - Tinned Copper 0.762	
Total Number of Conductors:	64
Insulation Insulation Material:	
Insulation Material Dia. (mm)PO - Polyolefin1.270	
Inner Shield Inner Shield Material:	
Inner Shield Trade Name Type Inner Shield Material	Coverage (%)
Beldfoil® Tape Aluminum Foil-Polyester	
Inner Shield Drain Wire AWG:	
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 3.378	
Inner Jacket 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	
13 Gray/Brown	
14 Gray/Red	
15 Gray/Orange	



METRIC MEASUREMENT VERSION

1823R Multi-Conductor - CMR Rated Cable

16	Gray/Yellow
17	Gray/Green
18	Gray/Blue
19	Gray/Purple
20	Gray/Gray
21	Gray/White
22	Gray/Black
23	Gray/Tan
24	Gray/Pink
25	Blue/Brown
26	Blue/Red
27	Blue/Orange
28	Blue/Yellow
29	Blue/Green
30	Blue/Blue
31	Blue/Purple
32	Blue/Gray

Outer Shield

Outer Shield Material:

	Outer Shield Trade Name	Туре	Outer Shield Material	Coverage (%)		
	Beldfoil®	Таре	Aluminum Foil-Polyester Tape	100		
0	Outer Shield Drain Wire AWG:					

U	Outer Shield Drain wire Awg.					
	AWG	Stranding	Drain Wire Conductor Material			
	18	19x30	TC - Tinned Copper			

10	19230	1C - Tillied Coppei
2		

Outer Jacket

Outer	Jacket	Material:

Outer Jacket Material

PVC - Polyvinyl Chloride

Outer Jacket Ripcord:

Yes

Overall Cable

Overall Nominal Diameter:

27.229 mm

Pair

Pair Color Code Chart:

Color

Red and Black

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +60°C
Bulk Cable Weight:	930.125 Kg/Km
Max. Recommended Pulling Tension:	3995.820 N
Min. Bend Radius/Minor Axis:	254 mm

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



METRIC MEASUREMENT VERSION

1823R Multi-Conductor - CMR Rated Cable

EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
Flame Test	
CSA Flame Test:	FT4
Plenum/Non-Plenum	
Plenum (Y/N):	No
Electrical Characteristics (Overall)	
Nom. Characteristic Impedance:	
Impedance (Ohm) 50	
Nom. Inductance:	
Inductance (µH/m) 0.59058	
Nom. Capacitance Conductor to Conductor:	
Capacitance (pF/m)	
101.711	
Nom. Capacitance Cond. to Other Conductor & Shi	əld:
Capacitance (pF/m) 183.736	
Nominal Velocity of Propagation:	
VP (%) 66	
Nom. Conductor DC Resistance:	
DCR @ 20°C (Ohm/km) 48.5588	
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 bot	h strip simultaneously with automatic stripping equipment

Notes: Pair jackets and shields are bonded so both strip simultaneously with automatic stripping equipment.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1823R 0101000	305 MT	315.248 KG	BLACK	С	32 #22 FS PR PVC FS PVC
1823R 0102000	610 MT	643.197 KG	BLACK	С	32 #22 FS PR PVC FS PVC

Notes:

C = CRATE REEL PUT-UP.

Test Reports

a) UL

i) UL Test Reports are available on-line through the UL Client Document Access web portal.
 ii) UL Inspection Reports are also available through the UL Client Document Access web portal.

b) CSA
i) CSA "Descriptive Report and Test Results" documents are available on the CSA Gateway Portal.
ii) CSA Inspection Reports are maintained on the CSA issued 'flash drive' at each manufacturing location.

* other test data may be available if requested at time of order.



1823R Multi-Conductor - CMR Rated Cable

Revision Number: 1 Revision Date: 10-17-2012

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