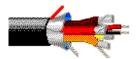
ENGLISH MEASUREMENT VERSION



1819R 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.)
16	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:



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:



Page 1 of 4 01-06-2012

ENGLISH MEASUREMENT VERSION



1819R Multi-Conductor - CMR Rated Cable

2	Red		
3	Orange		
4	Yellow		
5	Green		
6	Blue		
7	Purple		
8	Gray		
9	White		
10	Black		
11	Tan		
12	Pink		
13	Lt Gray/Brown		
14	Lt Gray/Red		
15	Lt Gray/Orange		
16	Lt Gray/Yellow		

Overall Nominal Diameter: 0.776 in.

Pair

Pair Color Code Chart:



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:	339 lbs/1000 ft.
Max. Recommended Pulling Tension:	461.500 lbs.
Min. Bend Radius (Install)/Minor Axis:	8 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
ame Test	

Flame Test

UL Flame Test:	UL1666 Riser
CSA Flame Test:	FT4

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

Page 2 of 4 01-06-2012

ENGLISH MEASUREMENT VERSION



1819R Multi-Conductor - CMR Rated Cable

50 Nom. Inductance: Inductance (µH/ft)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

Nominal Velocity of Propagation:

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

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
1819R 0101000	1,000 FT	364.000 LB	BLACK	С	16 #22 FS PR PVC FS PVC
1819R 010500	500 FT	177.000 LB	BLACK	С	16 #22 FS PR PVC FS PVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 04-15-2008

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Page 3 of 4

ENGLISH MEASUREMENT VERSION



1819R Multi-Conductor - CMR Rated Cable

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.

Page 4 of 4 01-06-2012