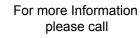
ENGLISH MEASUREMENT VERSION



1819R Multi-Conductor - CMR Rated Cable



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:

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

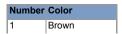
Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Outer Jacket Ripcord: Yes

Overall Cable

Overall Cabling Color Code Chart:





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:

Color Red & Black

Pair Lay Length & Direction:

Lay Length (in.)Twists/ft. (twist/ft)1.5008.000

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

MII Order #39 (China RoHS):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2002/96/EC (WEEE):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
EU Directive 2002/95/EC (RoHS):	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU CE Mark:	Yes
CEC/C(UL) Specification:	CMG
NEC/(UL) Specification:	CMR

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)



ENGLISH MEASUREMENT VERSION



1819R Multi-Conductor - CMR Rated Cable

Nom. Inductance:

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

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

14.100 Ohm/1000 ft

Deg. C

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

© 2012 Belden, Inc All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and



ENGLISH MEASUREMENT VERSION



1819R Multi-Conductor - CMR Rated Cable

the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for 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.

