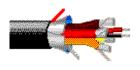
Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

1817R 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
Pairs AWG Stranding Conductor Material Dia. (in.) 8 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 1.133
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
PVC - Polyvinyi Chionde
Outer Jacket Ripcord: Yes
Overall Cable
Overall Cabling Color Code Chart:
Number Color 1 Brown

Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

1817R Multi-Conductor - CMR Rated Cable

2 Red	
3 Orange	
4 Yellow	
5 Green 6 Blue	
7 Purple	
8 Gray	
Overall Nominal Diameter:	0.503 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:	145 lbs/1000 ft.
Max. Recommended Pulling Tension:	243.100 lbs.
Min. Bend Radius (Install)/Minor Axis:	5 in.
Applicable Specifications and Agency Co	mpliance (Overall)
Applicable Standards & Environmental Progra	
NEC/(UL) Specification:	CMR
CEC/C(UL) Specification:	СМС
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:	1817P
Electrical Characteristics (Overall)	
Nom. Characteristic Impedance:	
Impedance (Ohm)	
50	
Nom. Inductance: Inductance (µH/ft)	
.18	
Nom. Capacitance Conductor to Conductor:	
•	

Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

1817R Multi-Conductor - CMR Rated Cable

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 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
1817R 0101000	1,000 FT	152.000 LB	BLACK	С	8 #22 FS PR PVC FS PVC
1817R 010500	500 FT	80.000 LB	BLACK	С	8 #22 FS PR PVC FS PVC

Notes:

C = CRATE REEL PUT-UP.

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

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