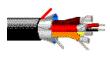
Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

1816R 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 6 22 7x30 TC - Tinned Copper		
Total Number of Conductors:	12	
Insulation Insulation Material: Insulation Material Dia. (in.) PO - Polyolefin 0.50		
Inner Shield Inner Shield Material:		
Inner Shield Trade Name Type Inner Shield N Beldfoil® Tape Aluminum Foil-		
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 PVC - Polyvinyl Chloride .133 Outer Shield Outer Shield Material: Outer Shield Trade Name Type Outer Shield		
Beldfoil® Tape Aluminum Foi Outer Shield Drain Wire AWG:		
AWG Stranding Drain Wire Conductor Materi 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: Number Color 1 Brown 2 Red 3 Orange 4 Yellow 5 Green 6 Blue		
Overall Nominal Diameter:	0.462 in.	

Detailed Specifications & Technical Data





1816R Multi-Conductor - CMR Rated Cable

Pair Pair Color Code Chart:	
Color	
Red & Black	
Mechanical Characteristics (Overall)	
Operating Temperature Range:	-20°C To +60°C
Bulk Cable Weight:	120 lbs/1000 ft.
Max. Recommended Pulling Tension:	188.500 lbs.
Min. Bend Radius/Minor Axis:	4.600 in.
Applicable Specifications and Agency Compliance	e (Overall)
Applicable Standards & Environmental Programs	
NEC/(UL) Specification:	CMR
CEC/C(UL) Specification:	CMG
EU Directive 2011/65/EU (ROHS II):	Yes
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:	UL 1666 Riser
CSA Flame Test:	FT4
Plenum/Non-Plenum	
Plenum (Y/N):	Νο
Plenum Number:	1816P
Electrical Characteristics (Overall) Nom. Characteristic Impedance:	
Impedance (Ohm)	
50	
Nom. Inductance:	
Inductance (μΗ/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	

Detailed Specifications & Technical Data



1816R Multi-Conductor - CMR Rated Cable

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:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1816R 0101000	1,000 FT	128.000 LB	BLACK	С	6 #22 FS PR PVC FS PVC
1816R 010500	500 FT	65.000 LB	BLACK	С	6 #22 FS PR PVC FS PVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 11-06-2014

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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.