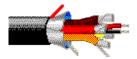
**METRIC MEASUREMENT VERSION** 



## 1817R 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	_	<b>Conductor Material</b>	, ,
1	8	22	7x30	TC - Tinned Copper	0.762

Total Number of Conductors: 16

#### Insulation

## Insulation Material:

<b>Insulation Material</b>	Dia. (mm)
PO - Polyolefin	1.27

#### **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. (mm)
PVC - Polyvinyl Chloride	3.3782

#### **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	<b>Drain Wire Conductor Material</b>
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:** 

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Number	Color
1	Brown
2	Red
3	Orange
4	Yellow
5	Green
6	Blue
7	Purple
8	Gray

Overall Nominal Diameter: 12.776 mm

Pair

Pair Color Code Chart:



Med	Mechanical Characteristics (Overall)				
	Operating Temperature Range:	-20°C To +60°C			
	Bulk Cable Weight:	215.789 Kg/Km			
	Max. Recommended Pulling Tension:	1081.360 N			
	Min. Bend Radius/Minor Axis:	127 mm			
App	Applicable Specifications and Agency Compliance (Overall)				
Apı	Applicable Standards & Environmental Programs				
	NEC/(UL) Specification:	CMR			

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

	004 Flama Taata	
	UL Flame Test:	UL1666 Riser
Fla	ame Test	

CSA Flame Test:	FT4	
lonum/Non Blonum		

Ple	Plenum/Non-Plenum		
	Plenum (Y/N):	No	
	Plenum Number:	1817P	

# **Electrical Characteristics (Overall)**

Nom. Characteristic Impedance:



Nom. Inductance:

Inductance (µH/m) 0.59058

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m) 101.711

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#### 1817R Multi-Conductor - CMR Rated Cable

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m) 183.736

**Nominal Velocity of Propagation:** 

66

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 48.5588

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km) 38.7158

Ind. Pair Nominal Shield DC Resistance @ 20

46 262 Ohm/km

Deg. C:

Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Recommended 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
1817R 0101000	305 MT	68.946 KG	BLACK	С	8 #22 FS PR PVC FS PVC
1817R 010500	152 MT	36.288 KG	BLACK	С	8 #22 FS PR PVC FS PVC

#### Notes:

C = CRATE REEL PUT-UP.

# **Test Reports**

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) CŚA

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.

Revision Number: 1 Revision Date: 08-22-2012

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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.

<sup>\*</sup> other test data may be available if requested at time of order.

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1817R Multi-Conductor - CMR Rated Cable

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