# **Detailed Specifications & Technical Data**

#### **ENGLISH MEASUREMENT VERSION**



#### 1814R 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.

#### **Physical Characteristics (Overall)**

#### Conductor

#### AWG:

3	# Pairs	AWG	Stranding	<b>Conductor Material</b>	Dia. (in.)
	2	22	7x30	TC - Tinned Copper	.030

Total Number of Conductors:

#### 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

#### **Inner Jacket Color Code Chart:**

Number	Color
1	Brown
2	Red

#### **Outer Shield**

#### **Outer Shield Material:**

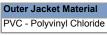
Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

#### **Outer Shield Drain Wire AWG:**

AWG	Stranding	<b>Drain Wire Conductor Material</b>			
22	7x30	TC - Tinned Copper			

#### **Outer Jacket**

#### **Outer Jacket Material:**



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# **Detailed Specifications & Technical Data**





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Outer Jacket Ripcord:	Yes			
Overall Cable				
Overall Cabling Color Code Chart:  Number Color				
1 Brown				
2 Red				
Overall Nominal Diameter:	0.330 in.			
Pair				
Pair Color Code Chart:				
Color Red & Black				
Pair Lay Length & Direction:				
Lay Length (in.)         Twists (twist/ft)           1.500         8.000				
Mechanical Characteristics (Overall)				
Operating Temperature Range:	-20°C To +60°C			
Bulk Cable Weight:	54 lbs/1000 ft.			
Max. Recommended Pulling Tension:	63.700 lbs.			
Min. Bend Radius/Minor Axis:	3.300 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			
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)				

Nom. Inductance:

Inductance (µH/ft)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

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Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)
56

**Nominal Velocity of Propagation:** 

**VP (%)** 

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.

#### **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1814R 0101000	1,000 FT	59.000 LB	BLACK	С	2 #22 FS PR PVC FS PVC
1814R 010500	500 FT	30.500 LB	BLACK	С	2 #22 FS PR PVC FS PVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 04-18-2008

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# **ПОСТАВКА** ЭЛЕКТРОННЫХ КОМПОНЕНТОВ

Общество с ограниченной ответственностью «МосЧип» ИНН 7719860671 / КПП 771901001 Адрес: 105318, г.Москва, ул.Щербаковская д.3, офис 1107

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### Офис по работе с юридическими лицами:

105318, г. Москва, ул. Щербаковская д. 3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru moschip.ru\_6 moschip.ru\_4 moschip.ru\_9