# **Detailed Specifications & Technical Data**

# **METRIC MEASUREMENT VERSION**



# 1414R Multi-Conductor - CMR Rated Cable



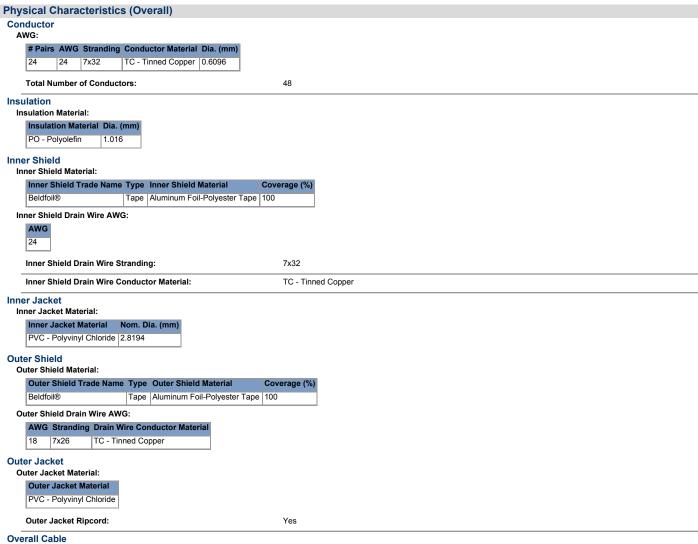
For more Information please call

1-800-Belden1



# **General Description:**

24 AWG stranded (7x30) TC conductor, polyolefin insulation, individually shielded Beldfoil® (100% coverage) numbered/color-coded PVC jackets, jackets and shields bonded to strip simultaneously, overall Beldfoil shield and 18 AWG TC drain wire.



**Overall Cabling Color Code Chart:** 

Number	Color		
1	Brown and Numbered 1		
2	Red and Numbered 2		
3	Orange and Numbered 3		
4	Yellow and Numbered 4		
5	Green and Numbered 5		
6	Blue and Numbered 6		
7	Purple and Numbered7		
8	Gray and Numbered 8		
9	White and Numbered 9		

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10	Black and Numbered 10				
11	Tan and Numbered 11				
12	Pink and Numbered 12				
13	Gray/Brown Stripe and Numbered 13				
14	Gray/Red Stripe and Numbered 14				
15	Gray/Orange Stripe and Numbered 15				
16	Gray/Yellow Stripe and Numbered 16				
17	Gray/Green Stripe and Numbered 17				
18	Gray/Blue Stripe and Numbered 18				
19	Gray/Purple Stripe and Numbered 19				
20	Gray/Gray Stripe and Numbered 20				
21	Gray/White Stripe and Numbered 21				
22	Gray/Black Stripe and Numbered 22				
23	Gray/Tan Stripe and Numbered 23				
24	Gray/Pink Stripe and Numbered 24				

Overall Nominal Diameter:

20.345 mm

# Pair

Pair Color Code Chart:

Number	Color
1	Red
2	Black

Mechanical	Characteristics	(Overall)
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Operating Temperature Range:	-30°C To +75°C
Bulk Cable Weight:	494.082 Kg/Km
Max. Recommended Pulling Tension:	1859.348 N
Min. Bend Radius/Minor Axis:	203.200 mm

# **Applicable Specifications and Agency Compliance (Overall)**

Applicable Standards	&	Environmental	Programs
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Applicable otaliaards & Elivirolinicitai i rogialis	
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:	UL1666 Riser
CSA Flame Test:	FT4
Plenum/Non-Plenum	
Plenum (Y/N):	No

# **Electrical Characteristics (Overall)**

Nom. Characteristic Impedance:



Nom. Inductance:

Inductance (µH/m) 0.59058

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m) 101.711

Nom. Capacitance Cond. to Other Conductor & Shield:

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Capacitance (pF/m) 190.298

Nominal Velocity of Propagation:

**VP** (%)

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 76.4473

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km) 19.686

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: 52.168 Ohm/km

Max. Operating Voltage - UL:

300 V RMS

Max. Recommended Current:

Current 1.05 Amps per conductor @ 25°C

# Notes (Overall)

Notes: Pair jackets and shields bonded so both strip simultaneously. Beldfoil® provides high reliability with ease of termination.

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

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1414R 0101000	1,000 FT	374.000 LB	BLACK	С	24 #24 PR PO BFS PVC FS PVC
1414R 010500	500 FT	182.000 LB	BLACK	С	24 #24 PR PO BFS PVC FS PVC

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 10-17-2012

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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.

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