Detailed Specifications & Technical Data

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ENGLISH MEASUREMENT VERSION

9R28014 Flat - Rainbow 9R280XX Series

For more Information please call

1-800-Belden1



General Description:

Belden^s .050" pitch, color-coded PVC flat cable allows for quick identification and circuit tracing, along with easy breakouts for circuit routing, and is designed for mass-termination with standard IDC connectors.

AWG: # Conductors AWG Stranding Conductor Material 14 28 7x36 TC - Tinned Copper				
# Conductors AWG Stranding Conductor Material				
Total Number of Conductors:	14			
Conductor Spacing Center to Center:	.050			
sulation				
Insulation Material:				
Insulation Material Wall Thickness (in.)				
PVC - Polyvinyl Chloride 0.010				
Insulation Resistance:	>10,000 Mega Ohms			
Insulation Color Code Chart:				
Number Color				
1 Brown				
2 Red				
3 Orange				
4 Yellow				
5 Green				
6 Blue				
7 Purple				
8 Gray 9 White				
10 Black				
Over 10 conductors Repeat as required				
Iter Shield Outer Shield Material: Outer Shield Material Unshielded				
uter Jacket				
Outer Jacket Material:				
Outer Jacket Material				
Clear PVC				
verall Cable				
Overall Nominal Thickness:	.036			
Overall Nominal Width:	.70			
chanical Characteristics (Overall)				
Operating Temperature Range:	-20°C To +105°C			
Bulk Cable Weight:	17 lbs/1000 ft.			
Min. Bend Radius/Minor Axis:	0.500 in.			
plicable Specifications and Agency Complianc	ce (Overall)			
oplicable Standards & Environmental Programs				
	AWM 20932			
UL Rating:	AVVIVI 20932			
UL Rating: EU Directive 2011/65/EU (ROHS II):	Yes			

Detailed Specifications & Technical Data



10 ft. sample length 3

10 ft. sample length 5

10 ft. sample length 7

4.8

3.5

3

7

4.7

3



9R28014 Flat - Rainbow 9R280XX Series

UL Flame Test: VW-1 Plenum (YN): No ectrical Characteristics (Overall) No constrained in predance (Ohm) State (GS) 150 State (GS) 29 State State (GS) 10 State State (B 1 MHz (GS) 18 State State (MHz (GSG) 15 State State (MHz (GS) 16 State State (MHz (GS) 16 State State (MHz (GS) 15 State State (MHz (GSG) 16 State S	
EU Directive 2002/95/EC (RoH\$): Yes EU RoHS Compliance Date (mm/dd/yyyy): 10/01/2005 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 UL Flame Test: VW-1 Ventories: VW-1 Henum/Non-Plenum Plenum (YIN): Plenum (YIN): No Com. Characteristic Impedance: Description Impedance (Ohm) (CSS) 150 (CSS) 105 Min. Inductance (pHiff) Om. Inductance (pHiff) @ 1 MHz (CSG) 18 @ 1 MHz (CSG) 19 @ 1 MHz (CSG) 10 @ 1 MHz (CSG) 15 Com. Capacitance (pFift) 72 Cominal Delay: Delay (ms/ft) Delay (ms/ft) 10	
EU RoHS Compliance Date (mm/dd/yyyy): 10/01/2005 EU Directive 2002/96/EC (WEEE): Yes EU Directive 2003/11/EC (BFR): Yes CA Prop 65 (CJ for Wire & Cable): Yes Mill Order #39 (China RoHS): Yes Flame Test UL Flame Test: VW-1 UL Flame Test: VW-1 Plenum (YA): No Vom. Characteristic Impedance: Description Impedance (Ph/H) © 1 MHz (CSS) 20 Nom. Inductance conductor to Conductor: Description Capacitance (pF/H) © 1 MHz (CSS) 18 © 1 MHz (CSS) 16 © 1 MHz (CSS) 15 Norminal Velocity of Propagation: Description To YS Dial NS/FT. (CSS) 72 Vom. Ac	
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20 4.8 30 6.5 40 8.3	
30 6.5 40 8.3	
50 9.8	
60 12	
70 13 80 14	
90 15.8	
100 17	
Max. Operating Voltage - UL: Voltage 300 V RMS	
Max. Recommended Current:	
Current 1 Amp per conductor @ 20°C	
Dielectric Withstand Voltage: 2,000 V RMS	

ENGLISH MEASUREMENT VERSION

9R28014 Flat - Rainbow 9R280XX Series

Notes (Overall)

Notes: GS=Ground-Signal Mode; GSG=Ground-Signal-Ground Mode

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9R28014 000100	100 FT	1.900 LB	NONE		14 #28 PVC RAINBOW

Revision Number: 3 Revision Date: 10-02-2012

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