Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

9R28050 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.

			<u> </u>	5
Physica	al Characteri	stics (Overall)		
Conduct	tor			
AWG:				
# Co 50	28	Stranding Conduction	ned Copper	
50	20	7,550 10 - 111	ined Copper	
Total	al Number of Cor	nductors:		50
Cond	ductor Spacing	Center to Center:		.050
Insulatio	on			
	tion Material:			
	ulation Material	Wall Thickness	; (in.)	
PVC	C - Polyvinyl Chlo	ride 0.005		
Insul	lation Resistanc	e:		>10,000 Mega Ohms
Insulati	tion Color Code	Chart:		
Num	mber	Color		
1		Brown		
2		Red		
3		Orange		
4		Yellow		
5 6		Green Blue		
7		Purple		
8		Gray		
9		White		
10		Black		
Over	er 10 conductors	Repeat as required		
Outer Sh	hield			
	Shield Material:			
Oute	ter Shield Materia	al		
Unst	shielded			
Overall (Cable			
Over	erall Nominal Thio	ckness:		.036
Over	erall Nominal Wid	lth:		2.50
Mechani	nical Charact	eristics (Overa	II)	
Oper	erating Temperat	ure Range:		-20°C To +105°C
Bulk	k Cable Weight:			56 lbs/1000 ft.
Min	. Bend Radius/Mi	inor Axis:		0.500 in.
				0.000 m.
Applicat	ble Specifica	ations and Age	ncy Compliance (O	verall)
Applicat	ble Standards	& Environmental	l Programs	
UL R	Rating:			AWM 20932
EU D	Directive 2011/65	5/EU (ROHS II):		Yes
EU C	CE Mark:			Yes
	Directive 2000/53			
				Yes
EU D	Directive 2002/95	5/EC (RoHS):		Yes
EU R	RoHS Compliand	e Date (mm/dd/yyyy	/):	10/01/2005

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EU Dise	ctive 2002/96/EC (WEEE):		Yes			
EU Dire						
EU Dire	ective 2003/11/EC (BFR):		Yes			
	p 65 (CJ for Wire & Cable):		Yes	 	 	
	er #39 (China RoHS):		Yes	 	 	
ame Test	t					
UL Flan	ne Test:		VW-1			
lenum/No	on-Plenum					
Plenum	(Y/N):		No			
	Characteristics (Over cteristic Impedance:	rall)				
	on Impedance (Ohm)					
(GS)	150					
(GSG)	105					
om. Induct						
Descripti						
@ 1 MHz						
-	(GSG) .20					
-						
	itance Conductor to Conduc	tor:				
Description						
-	(GSG) 18					
@ 1 MHz	(GS) 10 (GSG) 15					
-	, ,					
	ocity of Propagation:					
Descripti	on VP (%)					
Delay (ns 1.40 NS/F om. Condu	72 ay: /ft) T. (GSG) actor DC Resistance:					
Delay (ns 1.40 NS/F m. Condu DCR @ 2 68.2 OHM	72 ay: /ft) T. (GSG) ictor DC Resistance: 0°C (Ohm/1000 ft) 15/1000 FT. MAX.					
Delay (ns 1.40 NS/F om. Condu DCR @ 2 68.2 OHM om. Attenu	72 ay: /ft) T. (GSG) rctor DC Resistance: 0°C (Ohm/1000 ft) IS/1000 FT. MAX. Iation:					
Delay (ns 1.40 NS/F om. Condu DCR @ 2 68.2 OHM om. Attenu Freq. (MH	72 ay: /ft) T. (GSG) rctor DC Resistance: 0°C (Ohm/1000 ft) 15/1000 FT. MAX. aation: tz) Attenuation (dB/100 ft.)					
Delay (ns 1.40 NS/F m. Condu DCR @ 2 68.2 OHM m. Attenu Freq. (MH 10	72 ay: /ft) T. (GSG) rctor DC Resistance: 0°C (Ohm/1000 ft) 1S/1000 FT. MAX. lation: lation: lz) Attenuation (dB/100 ft.) 2.8					
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1.40 NS/F om. Condu DCR @ 21 68.2 OH/ 000000000000000000000000000000000000	72 ay: ift) T. (GSG) ictor DC Resistance: 0°C (Ohm/1000 ft) IS/1000 FT. MAX. iation: 12 4.8 6.5 8.3 9.8 12 13 14 15.8 17 ing Voltage - UL: IS mended Current: rconductor @ 20°C ric Withstand Voltage: alanced Crosstalk: on Pulse Rise Time (pulse Rise Time (4.8	z) Far End % (MHz) 7			
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Notes: GS=Ground-Signal Mode; GSG=Ground-Signal-Ground Mode

Put Ups and Colors:

Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

9R28050 Flat - Rainbow 9R280XX Series

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9R28050 000100	100 FT	6.200 LB	NONE		50 #28 PVC RAINBOW

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

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