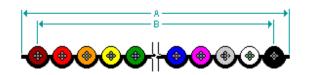
Detailed Specifications & Technical Data



9R28040 Flat - Rainbow 9R280XX Series



For more Information please call

1-800-Belden1



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.

Physical Characteristics (Overall)

ENGLISH MEASUREMENT VERSION

O a se al se a f a

# Conductors AWG Stranding Conductor Material	
40 28 7x36 TC - Tinned Copper	
Conductor Spacing Center to Center:	.050 +/005
Conductor Spacing Outside Center to Outside Center:	1.95 +/015
sulation	
Insulation Material:	
Insulation Material:	

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			

Outer Shield

Outer Shield Material:	
Outer Shield Material	
Unshielded	
Outer Jacket Outer Jacket Material:	
Outer Jacket Material Clear PVC	
Overall Cable	
Overall Nominal Thickness:	.036 +/002
Overall Nominal Width:	2.00

Mechanical Characteristics (Overall)

Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



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Operating Temperature Range:	-20°C To +105°C
Bulk Cable Weight:	52 lbs/1000 ft.
pplicable Specifications and Agency Co	mpliance (Overall)
Applicable Standards & Environmental Progr	ams
UL Rating:	AWM 20932, 105°C, 300 V RMS, VW-1
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):	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
Flame Test	
UL Flame Test:	VW-1
Plenum/Non-Plenum	
Plenum (Y/N):	No
Nom. Inductance: Description Inductance (µH/ft) @ 1 MHz (GS) .29 @ 1 MHz (GSG) .20 Nom. Capacitance Conductor to Conductor: Description Capacitance (pF/ft) @ 1 kHz (GSG) 18 @ 1 MHz (GS) 10 @ 1 MHz (GSG) 15	
Description VP (%)	
Description VP (%) 72 Nominal Delay: Delay (ns/ft) 1.40 NS/FT. (GSG)	
Description VP (%) 72 Nominal Delay: Delay (ns/ft) 1.40 NS/FT. (GSG) Nom. Conductor DC Resistance: DCR @ 20°C (Ohm/1000 ft) 68.2 OHMS/1000 FT. MAX.	
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Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

9R28040 Flat - Rainbow 9R280XX Series

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

Typical Unbalanced Crosstalk:

Description	Pulse Rise Time (NS) (MHz)	Near End % (MHz)	Far End % (MHz)
10 ft. sample length	3	4.8	7
10 ft. sample length	5	3.5	4.7
10 ft. sample length	7	3	3

Notes (Overall)

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

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9R28040 000100	100 FT	4.400 LB	NONE		40 #28 PVC RAINBOW

Revision Number: 2 Revision Date: 09-11-2009

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