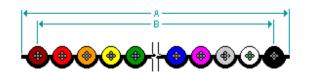
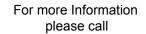
Detailed Specifications & Technical Data



9R28064 Flat - Rainbow 9R280XX Series





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

Conductor

# Conductors AWG Stranding Conductor Material	
64 28 7x36 TC - Tinned Copper	
Conductor Spacing Center to Center:	.050 +/005
Conductor Spacing Outside Center to Outside Center:	3.15 +/011
sulation Insulation Material:	
sulation	
sulation Insulation Material:	
Sulation Insulation Material: Insulation Material Wall Thickness (in.)	>10, 000 Mega Ohms
Sulation Insulation Material: Insulation Material Wall Thickness (in.) PVC - Polyvinyl Chloride 0.005	>10, 000 Mega Ohms

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:	3.20

Mechanical Characteristics (Overall)

Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

70 80

13 14



9R28064 Flat - Rainbow 9R280XX Series

	9R28064 Flat - Rainbow 9R280XX S
Operating Temperature Range:	-20°C To +105°C
Bulk Cable Weight:	82 lbs/1000 ft.
oplicable Specifications and Agency Co	ompliance (Overall)
Applicable Standards & Environmental Prog	
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
lectrical Characteristics (Overall)	
Description Inductance (μH/ft) @ 1 MHz (GS) .29 @ 1 MHz (GSG) .20 Nom. Capacitance Conductor to Conductor: Description Capacitance (pF/ft) @ 1 MHz (GSG) 18 @ 1 MHz (GSG) 10 @ 1 MHz (GSG) 15 Nominal Velocity of Propagation: Description VP (%)	
72	
Nominal Delay: Delay (ns/ft)	
1.40 NS/FT. (GSG)	
Dom. Conductor DC Resistance: DCR @ 20°C (Ohm/1000 ft) 68.2 OHMS/1000 FT. MAX.	
DCR @ 20°C (Ohm/1000 ft) 68.2 OHMS/1000 FT. MAX.	
DCR @ 20°C (Ohm/1000 ft) 68.2 OHMS/1000 FT. MAX.	
DCR @ 20°C (Ohm/1000 ft) 68.2 OHMS/1000 FT. MAX. Nom. Attenuation: Freq. (MHz) Attenuation (dB/100 ft.) 10 2.8	
DCR @ 20°C (Ohm/1000 ft) 68.2 OHMS/1000 FT. MAX. Nom. Attenuation: Freq. (MHz) Attenuation (dB/100 ft.) 10 2.8 20 4.8	
DCR @ 20°C (Ohm/1000 ft) 68.2 OHMS/1000 FT. MAX. Nom. Attenuation: Freq. (MHz) Attenuation (dB/100 ft.) 10 2.8 20 4.8 30 6.5	
DCR @ 20°C (Ohm/1000 ft) 68.2 OHMS/1000 FT. MAX. Nom. Attenuation: Freq. (MHz) Attenuation (dB/100 ft.) 10 2.8 20 4.8	

Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

9R28064 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
9R28064 000100	100 FT	7.100 LB	NONE		64 #28 PVC RAINBOW

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

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.