# **Detailed Specifications & Technical Data**

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ENGLISH MEASUREMENT VERSION

# 9R28040 Flat - Rainbow 9R280XX Series

For more Information please call

1-800-Belden1



### **General Description:**

Belden<sup>s</sup> .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.

AW:         Image: AWS Stranding Conductor Material a 2 7 28 1C - Timen Cooper         Total Number of Conductors Spacing Center to Center:       00         Conductor Spacing Center to Center:       00         Stration Material:       Mathematerial:         Image: Amage: Amag	vsical Characteristics (C	verall)	-
Image: Province of Conductors         40           Conductor Spacing Center to Center:         050           Estation         Interaction Material:           Insulation Material:         Interaction Material:           Insulation Color Code Chart:         >10,000 Moga Chms           Insulation Resistance:         Insulation Resistance:           Outer Sheld Material:         0000 Moga Chms           Outer Sheld Material:         Outer Sheld Material:           Outer Sheld Material:         030           Outer Sheld Material:         030           Outer Sheld Material:         030           Outer Sheld Material:         030           Outer Sheld Material:<			
40         28         7236         TC - Tinned Capper           Total Number of Conductors:         40           Conductor Spacing Center to Center:         .650           Station         Insulation Material           PVC - Polyviny Chindre [0:010         Insulation Resistance:         >10.000 Mega Ohms           Insulation Resistance:         >10.000 Mega Ohms           Insulation Calco Code Chart:         Name           Name         Color           1         Sinual Conductors           10         Biown           2         Red           3         Orange           8         Biown           9         Write           10         Biock           2000r Total Material:         Color           Outer Sheld Material:         Color           Outer Sheld Material:         Color           Outer Action         Reset as required           Uter Action         2.00           Color Action Respective Action Respective Action Respective Action           Dior Sheld Material: <td< th=""><th></th><th>Conductor Material</th><th></th></td<>		Conductor Material	
Total Number of Conductors:       40         Conductor Spacing Center to Center:       .050         Sulation       Inscluiton Material:         Inscluiton Material:       Inscluiton Material:         PPC: - Polying Choine [0:010       Inscluiton Color Code Chart:         Number       Code Chart:         Number       Code Chart:         Number       Goard         2       Red         3       Orange         4       Yellow         5       Green         8       Blue         7       Purple         8       Greay         9       Winter         10:       Blosk         Over 10: conductors       Repeat as required         Liter Shield       Conder Shield Material:         Outer Shield Material:       Outer Shield Material:         Outer Shield Material:       Dide Shield Material:         Outer Shield Material		-	
Conductor Spacing Center to Center:     0.50       sulation Insulation Material:     Insulation Material:       Insulation Control (0.010)     Insulation Control (0.010)       Insulation Control (0.0110)     Insulatio		TC - Timed Copper	
Suidion Matrial: Insulation Matrial: PVC - Poycing Chande [ 0.00 Assulation Resistance: >10,000 Mega Ohms Insulation Solic Ode Chart: Image: Note Code Chart:           Image: Note Code Chart:<	Total Number of Conductors:		40
Insulation Material PCC - Poryvingl Chloride 0.01  Insulation Resistance:  > >0.000 Mega Ohms  Insulation Color Code Char:            Number         Color           1         Brown           2         Red           3         Orange           4         Yellow           5         Green           6         Blue           7         Purple           8         Gray           9         White           10         Black           7         Purple           8         Gray           9         White           10         Black           Outer Sheld Material:         Color Sheld Material:           Cuter Sheld Material:         Color Sheld Material:           Outer Sheld Material:         200           Cuter Sheld Material:         200	Conductor Spacing Center to	Center:	.050
Invite       Wall Thickness (n)         Invite       Vite         Invite       Vite <tr< th=""><th></th><th></th><th></th></tr<>			
PVC - Poyungi Chioride [0.010         Insulation Resistance:       >10.000 Mega Ohms         Insulation Color Code Chart:       Image: Color Code Chart:         Number       Color         1       Brown         2       Red         3       Orange         4       Vellow         5       Bitue         7       Purple         8       Gray         9       White         10       Black         Over1 Montant Statistic       Color Sheld Material:         Outer Sheld Material:       Outer Sheld Material:         Outer Sheld Material:       .036         Overall Mominal Thickness:       .036         Overall Mominal Midth:       2.00         vorall Nominal Midth:       .000         Dearting Temperature Range:       .20°C To +105°C         Buik Cable Weight:       .41 be/1000 ft.         Min. Bend RadusMinor Asis:       0.500 in.         Opticable Specifications and Agency Compliance (Overall)       .500 in.         Dilcable Specifications and Agency Compliance (Overall)       .500 in.         Dilcable Specifications and Agency Compliance (Overall)       .500 in.         Dilcable Specifications and Agency Compliance (Overall)       .500 in			
Insulation Resistance: >10.000 Mega Ohms Insulation Color Code Chat:           Number       Color         1       Brown         2       Rod         3       Orange         4       Yellow         5       Green         6       Blue         7       Purple         8       Gray         9       White         10       Black         7       Purple         8       Gray         9       White         10       Black         Over 10 conducts       Repeata sequired         uter Shield       Gray         0uter Shield Material:       Outer Shield Material:         Outer Jacket Material:       Outer Shield Material:         Outer Jacket Material:       Outer Shield Material:         Outer Jacket Material:       0.050         Outer Jacket Material:       0.050         Overall Nominal Width:       2.00         Example       20°C To +105°C         Buk Cable Weight:       44 bis/1000 ft.         Min. Bend Radus/Miner Asis:       0.500 in.         Opticable Specifications and Agency Compliance (Overall)         Opticable Specifications and Agency Compliance (Overall)			
hisulation Color Code Chart: Number       Color         1       Brown         2       Red         3       Orange         4       Yellow         5       Green         8       Gray         9       Whate         10       Black         Ouer Sheld Material:       Outer Sheld Material:         Outer Jacket Material:       Outer Sheld Material:         Outer Jacket Material:       Outer Sheld Material:         Outer Jacket Material:       Outer Jacket Material:         Overal I Cable       Overal I Mominal Thickness:         Overal I Mominal Width:       2.00         Exclassion       Sooi in.         Sheld Material:       0.05         Overal I Mominal Width:       2.00         Exclassion       0.050 in.         Uk cable Weight:       44 bis/1000 ft.         Min. Bend Radius/Minor Axis:       0.500 in.         UL Rating:       AVM 20932         UL Rating:       AVM 20932         EU Directive 2011/65/EU (ROHS II):			
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         Uter Shield Material:       Outer Shield Material:         Outer Shield Material:       Outer Jacket Material:         Outer Jacket Material:       .036         Overall Nominal Thickness:       .036         Overall Nominal Width:       2.00         schanical Characteristics (Overall)       .20°C To +105°C         Buik Cable Weight:       .41 bs/1000 ft.         Min. Bend Radius/Minor Axis:       0.500 in.         plicable Specifications and Agency Compliance (Overall)       .500 in.         pplicable Specificators and Agency Compliance (Overall)       .500 in.         UL Rating:       AWM 20932         EU Directive 2011/65/EU (ROHS II):       Yes	Insulation Resistance:		>10,000 Mega Ohms
1       Brown         2       Red         3       Orange         4       Yellow         5       Green         6       Blue         7       Purple         8       Gray         9       White         10       Black         Ouer Shield Material:         Outer Jacket Material:         Overall Rominal Thickness:       .036         Overall Rominal Width:       2.00         Eventational State Material:       .036         Overall Rominal Width:       2.00         Eventational Theorem Range:       -20°C To +105°C         Buik Cable Weight:       44 los/1000 ft.         Min Bend Radius/Minor Aats:       0.500 in.         Dilcable	nsulation Color Code Chart:		
2       Red         3       Orange         4       Yelow         5       Green         6       Blue         7       Purple         8       Gray         9       White         10       Black         Over 10 conductors       Repeat as required         Atter Shield Material:       Outer Shield Material:         Outer Shield Material:       Outer Shield Material:         Outer Shield Material:       Outer Shield Material:         Outer Jacket Material:       Outer Shield Material:         Outer Jacket Material:       0         Outer Jacket Material:       0         Outer Jacket Material:       0         Outer Jacket Material:       0         Outer Jacket Material:       200         Vorall Nominal Thickness:       .036         Overall Stoled       -20°C To +105°C         Buik Cable Weight:       44 lbs/1000 ft.         Min. Bend Radius/Minor Axis:       0.500 in.         Pilcable Specifications and Agency Compliance (Overall)       -         Dilcable Standards & Environmental Programs       -         UL Rating:       AVM 20332         EU Directive 2011/65/EU (ROHS III):       Yes	Number Color		
3       Orange         4       Yellow         5       Green         6       Blue         7       Purple         8       Gray         9       While         10       Black         Over 10 conductors Repeat as required         ster Shield Material:         Outer Shield Shield Material:         Outer Shield Material:         Outer Shield Material:         Outer Shield Shie			
4       Yellow         5       Green         6       Bue         7       Purple         8       Gray         9       White         10       Black         Over 10 conductors Repeat as required         stor Shield Material:         Outer Shield Material:         Outer Shield Material:         Outer Shield Material:         Outer Jacket Material:         Overall Rominal Thickness:       .036         Overall Chale       .00         Overall Bominal Thickness:       .036         Overall Bominal Kithti:       2.00         chanical Characteristics (Overall)       .00         Operating Temperature Range:       -20°C To +105°C         Buik Cable Weight:       44 lbs/1000 ft.         Min. Bend Radius/Minor Axis:       0.500 in.		]	
S       Green         6       Blue         7       Purple         8       Gray         9       White         10       Black         Over 10 conductors Repeat as required         tter Shield Material:         Outer Shield Material:         Outer Jacket Material:         Outer Jacket Material:         Outer Jacket Material:         Overal Nominal Thickness:       .036         Overal Nominal Width:       2.00         chanical Characteristics (Overall)         Operating Temperature Range:       -20°C To +105°C         Buik Cable Weight:       44 lbs/1000 ft.         Min. Bend Radius/Minor Axis:       0.500 in.         plicable Specifications and Agency Compliance (Overall)         plicable Specifications and Agency Compliance (Overall)         u Rating:       AWM 20932         UL Rating:       AWM 20932         Eu Radius / Minor Stills:       Yes	-		
6       Blue         7       Purple         8       Gray (*)         9       White         10       Black         Over 10 conductors Repeat as required         ters Shield         Outer Shield Material:         Outer Shield Material:         Outer Jacket Material:         Overall Nominal Thickness:       .036         Overall Nominal Width:       2.00         chanical Characteristics (Overall)       Operating Temperature Range:         operating Temperature Range:       -20°C To +105°C         Buik Cable Weight:       44 lbs/1000 ft.         Min. Bend Radius/Minor Axis:       0.500 in.         plicable Specifications and Agency Compliance (Overall)         pplicable Standards & Environmental Programs         UL Rating:       AWM 20932         EU Directive 2011/65/EU (ROHS II):       Yes			
7       Purple         8       Gray         9       White         10       Black         Over 10 conductors Repeat as required         Outer Shield Material:         Overall Nominal Width:       2.00         Events       2.00         Chanical Characteristics (Overall)         Operating Temperature Range:       -20°C To +105°C         Buik Cable Weight:       44 lbs/1000 ft.         Min. Bend Radius/Minor Axis:       0.500 in.         Dicable Specifications and Agency Compliance			
8       Gray         9       White         10       Black         Over 10 conductors (Repeat as required)         tter Shield         Outer Shield Material         Outer Shield Material         Unshielded         ter Jacket         Outer Shield Material         Outer Shield Material         Clear PVC         ter Jacket Material         Clear PVC         errall Cable         Overall Nominal Thickness:       036         Overall Nominal Thickness:       036         Overall Nominal Thickness:       0.00         chanical Characteristics (Overall)         Operating Temperature Range:       -20°C To +105°C         Buik Cable Weight:       44 lbs/1000 ft.         Min. Bend Radius/Minor Axis:       0.500 in.         plicable Specifications and Agency Compliance (Overall)         uplicable Standards & Environmental Programs         UL Rating:       AVM 20932         EU Directive 2011/65/EU (ROHS II):       Yes			
9       White         10       Black         Over 10 conductors Repeat as required         tter Shield         Duter Shield Material:         Outer Shield Material:         Outer Shield Material:         Outer Jacket Material:         Over all Nominal Thickness:       .036         Overall Nominal Width:       2.00         chanical Characteristics (Overall)         Operating Temperature Range:       -20°C To +105°C         Buik Cable Weight:       44 ibs/1000 ft.         Min. Bend Radius/Minor Axis:       0.500 in.         plicable Specifications and Agency Compliance (Overall)         publicable Standards & Environmental Programs         UL Rating:       AWM 20932         UL Rating:       AWM 20932         EU Directive 2011/65/EU (ROHS II):       Yes	- F		
10       Black         Over 10 conductors       Repeat as required         tter Shield       Duter Shield Material:         Outer Shield Material:       Unshield Material:         Outer Jacket Material:       Course Shield Material:         Outer Jacket Material:       Course Shield Material:         Clear PVC       erail Cable         Overall Nominal Thickness:       .036         Overall Nominal Width:       2.00         chanical Characteristics (Overall)       Coperating Temperature Range:         Operating Temperature Range:       -20°C To +105°C         Buik Cable Weight:       44 lbs/1000 ft.         Min. Bend Radlus/Minor Axis:       0.500 in.         plicable Specifications and Agency Compliance (Overall)         pplicable Standards & Environmental Programs         UL Rating:       AWM 20932         EU Directive 2011/65/EU (ROHS II);       Yes			
Over 10 conductors       Repeat as required         tter Shield       Duter Shield Material:         Outer Shield Material:       Outer Shield Material:         Outer Jacket Material:       Outer Jacket Material:         Overall Nominal Thickness:       .036         Overall Nominal Width:       2.00         chanical Characteristics (Overall)       Operating Temperature Range:         Operating Temperature Range:       -20°C To +105°C         Bulk Cable Weight:       44 lbs/1000 ft.         Min. Bend Radius/Minor Axis:       0.500 in.         plicable Specifications and Agency Compliance (Overall)         pulcable Standards & Environmental Programs         UL Rating:       AWM 20932         EU Directive 2011/65/EU (ROHS II):       Yes			
Leter Shield Material:         Outer Shield Material:         Unshielded         Unshielded         Outer Jacket Material:         Overall Nominal Thickness:       .036         Overall Nominal Width:       2.00         chanical Characteristics (Overall)		required	
Outer Jacket Material:         Outer Jacket Material:         Clear PVC         rerall Cable         Overall Nominal Thickness:       .036         Overall Nominal Width:       2.00         chanical Characteristics (Overall)         Operating Temperature Range:       -20°C To +105°C         Bulk Cable Weight:       44 lbs/1000 ft.         Min. Bend Radius/Minor Axis:       0.500 in.         plicable Specifications and Agency Compliance (Overall)         plicable Standards & Environmental Programs         UL Rating:       AWM 20932         EU Directive 2011/65/EU (ROHS II):       Yes	Outer Shield Material		
Outer Jacket Material:         Outer Jacket Material:         Clear PVC         verall Cable         Overall Nominal Thickness:       .036         Overall Nominal Width:       2.00         ochanical Characteristics (Overall)         Operating Temperature Range:       -20°C To +105°C         Bulk Cable Weight:       44 lbs/1000 ft.         Min. Bend Radius/Minor Axis:       0.500 in.         plicable Specifications and Agency Compliance (Overall)         oplicable Standards & Environmental Programs         UL Rating:       AWM 20932         EU Directive 2011/65/EU (ROHS II):       Yes	tor lacket		
Outer Jacket Material Clear PVC         verall Cable         Overall Nominal Thickness:       .036         Overall Nominal Width:       2.00         chanical Characteristics (Overall)       .00         Operating Temperature Range:       -20°C To +105°C         Bulk Cable Weight:       44 lbs/1000 ft.         Min. Bend Radius/Minor Axis:       0.500 in.         plicable Specifications and Agency Compliance (Overall)         oplicable Standards & Environmental Programs         UL Rating:       AWM 20932         EU Directive 2011/65/EU (ROHS II):       Yes			
verall Cable       .036         Overall Nominal Thickness:       .036         Overall Nominal Width:       2.00         cchanical Characteristics (Overall)       .00         Operating Temperature Range:       -20°C To +105°C         Bulk Cable Weight:       44 lbs/1000 ft.         Min. Bend Radius/Minor Axis:       0.500 in.         plicable Specifications and Agency Compliance (Overall)         oplicable Standards & Environmental Programs         UL Rating:       AVWI 20932         EU Directive 2011/65/EU (ROHS II):       Yes			
Overall Nominal Thickness:       .036         Overall Nominal Width:       2.00         chanical Characteristics (Overall)       -20°C To +105°C         Bulk Cable Weight:       44 lbs/1000 ft.         Min. Bend Radius/Minor Axis:       0.500 in.         plicable Specifications and Agency Compliance (Overall)         plicable Standards & Environmental Programs         UL Rating:       AWM 20932         EU Directive 2011/65/EU (ROHS II):       Yes	Clear PVC		
Overall Nominal Thickness:       .036         Overall Nominal Width:       2.00         chanical Characteristics (Overall)       -20°C To +105°C         Bulk Cable Weight:       44 lbs/1000 ft.         Min. Bend Radius/Minor Axis:       0.500 in.         plicable Specifications and Agency Compliance (Overall)         plicable Standards & Environmental Programs         UL Rating:       AWM 20932         EU Directive 2011/65/EU (ROHS II):       Yes	avall Cabla		
Overall Nominal Width:       2.00         chanical Characteristics (Overall)       Operating Temperature Range:       -20°C To +105°C         Bulk Cable Weight:       44 lbs/1000 ft.         Min. Bend Radius/Minor Axis:       0.500 in.         plicable Specifications and Agency Compliance (Overall)         plicable Standards & Environmental Programs         UL Rating:       AWM 20932         EU Directive 2011/65/EU (ROHS II):       Yes			026
chanical Characteristics (Overall)         Operating Temperature Range:       -20°C To +105°C         Bulk Cable Weight:       44 lbs/1000 ft.         Min. Bend Radius/Minor Axis:       0.500 in.         plicable Specifications and Agency Compliance (Overall)         plicable Standards & Environmental Programs         UL Rating:       AWM 20932         EU Directive 2011/65/EU (ROHS II):       Yes			
Operating Temperature Range:       -20°C To +105°C         Bulk Cable Weight:       44 lbs/1000 ft.         Min. Bend Radius/Minor Axis:       0.500 in.         plicable Specifications and Agency Compliance (Overall)         pplicable Standards & Environmental Programs         UL Rating:       AWM 20932         EU Directive 2011/65/EU (ROHS II):       Yes			2.00
Bulk Cable Weight:     44 lbs/1000 ft.       Min. Bend Radius/Minor Axis:     0.500 in.       plicable Specifications and Agency Compliance (Overall)       pplicable Standards & Environmental Programs       UL Rating:     AWM 20932       EU Directive 2011/65/EU (ROHS II):     Yes			
Min. Bend Radius/Minor Axis:       0.500 in.         plicable Specifications and Agency Compliance (Overall)         pplicable Standards & Environmental Programs         UL Rating:       AWM 20932         EU Directive 2011/65/EU (ROHS II):       Yes	Operating Temperature Range		-20°C To +105°C
plicable Specifications and Agency Compliance (Overall) plicable Standards & Environmental Programs UL Rating: AWM 20932 EU Directive 2011/65/EU (ROHS II): Yes	-		44 lbs/1000 ft.
UL Rating:     AWM 20932       EU Directive 2011/65/EU (ROHS II):     Yes	Min. Bend Radius/Minor Axis:		0.500 in.
UL Rating:     AWM 20932       EU Directive 2011/65/EU (ROHS II):     Yes			(Overall)
EU Directive 2011/65/EU (ROHS II): Yes	plicable Standards & Enviro	onmental Programs	
	UL Rating:		AWM 20932
	EU Directive 2011/65/EU (ROH	IS II):	Yes
EU CE Mark: Yes	EU CE Mark:		Yes

# **Detailed Specifications & Technical Data**





## 9R28040 Flat - Rainbow 9R280XX Series

EU Directive 2000/53/EC (ELV):	Yes	
	Yes	
EU Directive 2002/95/EC (RoHS):		
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	
Electrical Characteristics (Overall)		
Nom. Characteristic Impedance:		
Description Impedance (Ohm)		
(GS) 150 (GSG) 105		
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		
Nominal Velocity of Propagation:		
Description VP (%) 72		
72		
72 Nominal Delay:		
72 Nominal Delay: Delay (ns/ft)		
72 Nominal Delay: Delay (ns/ft) 1.40 NS/FT. (GSG) Nom. Conductor DC Resistance:		
72 Nominal Delay: Delay (ns/ft) 1.40 NS/FT. (GSG)		
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.		
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. Nom. Attenuation:		
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.		
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. Nom. Attenuation: Freq. (MHz) Attenuation (dB/100 ft.)		
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.         Nom. Attenuation:         Freq. (MHz) Attenuation (dB/100 ft.)         10       2.8		
T2           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.           Nom. Attenuation:           Freq. (MHz) Attenuation (dB/100 ft.)           10         2.8           20         4.8		
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.         Nom. Attenuation:         Freq. (MHz) Attenuation (dB/100 ft.)         10       2.8         20       4.8         30       6.5         40       8.3         50       9.8		
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.         Nom. Attenuation:         Freq. (MHz) Attenuation (dB/100 ft.)         10       2.8         20       4.8         30       6.5         40       8.3         50       9.8         60       12		
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.         Nom. Attenuation:         Freq. (MHz) Attenuation (dB/100 ft.)         10       2.8         20       4.8         30       6.5         40       8.3         50       9.8         60       12         70       13		
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.         Nom. Attenuation:         Freq. (MHz) Attenuation (dB/100 ft.)         10       2.8         20       4.8         30       6.5         40       8.3         50       9.8         60       12         70       13         80       14		
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.         Nom. Attenuation:         Freq. (MHz) Attenuation (dB/100 ft.)         10       2.8         20       4.8         30       6.5         40       8.3         50       9.8         60       12         70       13         80       14         90       15.8		
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.         Nom. Attenuation:         Freq. (MHz) Attenuation (dB/100 ft.)         10       2.8         20       4.8         30       6.5         40       8.3         50       9.8         60       12         70       13         80       14		
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.         Nom. Attenuation:         Freq. (MHz) Attenuation (dB/100 ft.)         10       2.8         20       4.8         30       6.5         40       8.3         50       9.8         60       12         70       13         80       14         90       15.8		
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.         Nom. Attenuation         Freq. (MHz) Attenuation (dB/100 ft.)         10       2.8         20       4.8         30       6.5         40       8.3         50       9.8         60       12         70       13         80       14         90       15.8         100       17		
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.         Nom. Attenuation:         Freq. (MHz)         10       2.8         20       4.8         30       6.5         40       8.3         50       9.8         60       12         70       13         80       14         90       15.8         100       17         Max. Operating Voltage - UL:		
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.         Nom. Attenuation:         Freq. (MHz)         10       2.8         20       4.8         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		
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.         Nom. Attenuation:         Freq. (MHz) Attenuation (dB/100 ft.)         10       2.8         20       4.8         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		
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.         Nom. Attenuation:         Freq. (MHz) Attenuation (dB/100 ft.)         10       2.8         20       4.8         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		
72         Nominal Delay:         Delay (ns/ft)         1.40 NS/FT. (GSG)         Nom. Conductor DC Resistance:         DCR @ 20°C (Ohm/1000 ft)         63.2 OHMS/1000 FT. MAX.         Nom. Attenuation:         Freq. (MHz) Attenuation (dB/100 ft.)         10       2.8         20       4.8         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	2.00 V RMS	

## ENGLISH MEASUREMENT VERSION

### 9R28040 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
9R28040 000100	100 FT	4.800 LB	NONE		40 #28 PVC RAINBOW

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