



**Product:** [9R28026](#) 

Rainbow Ribbon Cable .050" Pitch, 9R280XX Series, #28-26c, PVC Ins

## Product Description

Rainbow Ribbon Cable .050" Pitch, 9R280XX Series, 26 Conductor, 28 AWG (7x36) Tinned Copper, PVC Insulated Conductors on PVC Substrate

## Technical Specifications

### Product Overview

Suitable Applications:	Internal interconnection, internal wiring of electronic equipment, color-coded for quick identification & circuit tracing, easy breakouts for circuit routing, designed for mass-termination with standard IDC connectors
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### Construction Details

#### Conductor

Size	Stranding	Material
28	7x36	TC - Tinned Copper

#### Insulation

Material	Nom. Thickness	Color Code
PVC - Polyvinyl Chloride	0.010 in (0.25 mm)	Brown, Red, Orange, Yellow, Green, Blue, Purple, Gray, White, Black, Repeat as required

Conductor Spacing Center-Center:	.050 +/- .003 in
Conductor Spacing Center-Center Outside:	1.250 +/- .008 in

### Electrical Characteristics

#### Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Characteristic Impedence	Nom. Delay	Nom. Inductance	Nom. Velocity of Prop.	Max. Current
68.2 Ohm/1000ft (224 Ohm/km)	18 pF/ft (59 pF/m)	150 Ohm	1.40 ns/ft	0.29 µH/ft (0.95 µH/m)	72%	1 Amp per Conductor at 20°C
	10 pF/ft (33 pF/m)	105 Ohm		0.2 µH/ft (0.66 µH/m)		
	15 pF/ft (49 pF/m)					

#### Unbalanced Crosstalk

Element	Typical Unbalanced NEXT %	Typical Unbalanced FEXT %	Typical Cross Talk Pulse Rise Time
10 ft. sample length	4.8	7	3 ns
10 ft. sample length	3.5	4.7	5 ns
10 ft. sample length	3	3	7 ns

#### High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss (Attenuation)
10	2.8 dB/100ft
20	4.8 dB/100ft
30	6.5 dB/100ft
40	8.3 dB/100ft
50	9.8 dB/100ft
60	12 dB/100ft
70	13 dB/100ft
80	14 dB/100ft
90	15.8 dB/100ft

100	17 dB/100ft
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High Frequency Table (Nominal/Typical) Notes:	GS=Ground-Signal Mode; GSG=Ground-Signal-Ground Mode
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Voltage

UL Voltage Rating
300 V

Mechanical Characteristics

Temperature

Operating
-20°C to +105°C

Bulk Cable Weight:	29 lbs/1000ft (43 kg/km)
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Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	VW-1
AWM Compliance:	AWM 20932
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.298 Revision Date: 09-07-2025
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
9R28026 000100	None	Reel	100 ft	612825221920

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