



Product: <u>9L28040</u> ☑

Flat Gray Ribbon Cable .050" Pitch, 9L280XX Series, #28-40c, PVC Ins

Product Description

Flat Gray Ribbon Cable .050" Pitch, 9L280XX Series, 40 Conductor, 28 AWG (7x36) Tinned Copper, PVC Insulation

Technical Specifications

Product Overview

		Internal interconnection, internal wiring of electronic equipment, reliable mass-termination to standard IDC connectors
Physical Characte	ristics (Over	rall)
Conductor		
AWG Stranding	Material	
28 7x36 TC -	Tinned Copper	
Conductor Count:		40
nsulation		
Material	Nominal Wall 1	Thickness
PVC - Polyvinyl Chloride	0.010 in	
Salar Chart		
Color Chart Color Gray		
		First Conductor has Red Stripe
Color Gray Table Notes:	Dimensione	First Conductor has Red Stripe
Color Gray	Dimensions	First Conductor has Red Stripe
Color Gray Table Notes:		First Conductor has Red Stripe
Color Gray Table Notes: Construction and	enter:	
Color Gray Table Notes: Construction and Cond Spacing Center-Ce	enter: enter Outside:	.050 +/002 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DC	R
68.2 Ohm/1000ft	

Capacitance

Element	Nom. Capacitance Conductor to Conductor
@ 1 kHz (GSG)	18 pF/ft
@ 1 MHz (GS)	10 pF/ft
@ 1 MHz (GSG)	15 pF/ft

Inductance

Element	Nominal Inductance
@ 1 MHz (GS)	0.29 µH/ft
@ 1 MHz (GSG)	0.2 µH/ft

Impedance

Nominal Characteristic Impedance	Nominal Characteristic Impedance Description	
150 Ohm	(GS)	
105 Ohm	(GSG)	

High Frequency (Nominal/Typical)

Delay

Nominal Delay

1.4 ns/ft

Unbalanced Crosstalk

Element	Typical Unbalanced NEXT %	Typical Unbalanced FEXT %	Typical Cross Talk Pulse Rise Time (ns)
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

Current

Max. Recommended Current [A]

1 Amp per Conductor at 20°C

Voltage

Dielectric Withstand Voltage	UL Voltage Rating
2000 V	300 V

Temperature Range

Mechanical Characteristics	
Operating Temp Range:	-40°C to +105°C

Bulk Cable Weight:	52 lbs/1000ft
Min Bend Radius/Minor Axis:	3 in

Standards

UL AWM Style Compliance:	2651
CSA AWM Compliance:	IA

Applicable Environmental and Other Programs

Yes
Yes
Yes
Yes
Yes
EU Directive 2003/11/EC (BFR)
Yes
2005-07-01
Yes

Suitability

Suitability - Indoor:	Yes
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Flammability, LS0H, Toxicity Testing

UL Flammability:	VW-1
CSA Flammability:	FT1
UL voltage rating:	300 V

Plenum/Non-Plenum

Plenum (Y/N):	No	

Part Number

Variants

Item #	Color	Length	UPC	
9L28040 008H100	Gray	100 ft	612825221692	

History

Update and Revision:

Revision Number: 0.303 Revision Date: 08-07-2020

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