

Product: 9L26016

Flat Gray Ribbon Cable .050" Pitch, 9L260XX Series, #26-16c, PVC Ins

Product Description

Flat Gray Ribbon Cable .050" Pitch, 9L260XX Series, 16 Conductor, 26 AWG (7x34) Tinned Copper, PVC Insulation

Technical Specifications

Product Overview

Suitable Applications:	Internal interconnection, internal wiring of electronic equipment, reliable mass-termination to standard IDC connectors

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	16	26 AWG	7x34	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code	Notes
Conductor(s)	PVC - Polyvinyl Chloride	0.010 in (0.25 mm)	0.038 in (0.97 mm)	Gray	A Blue Stripe over the first conductor

Conductor Spacing Center-Center:	.050 +/- .002 in
Conductor Spacing Center-Center Outside:	.750 +/- .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
43 Ohm/1000ft	23 pF/ft (75 pF/m)	135 Ohm	1.48 ns/ft (4.86 ns/m)	0.23 µH/ft (0.75 µH/m)	68%	1.5 Amps per Conductor at 20ºC
	11 pF/ft (36 pF/m)	90 Ohm		0.15 µH/ft (0.49 µH/m)		
	18 pF/ft (59 pF/m)					

Unbalanced Crosstalk

Element	Typical Unbalanced NEXT %	Typical Unbalanced FEXT %	Typical Cross Talk Pulse Rise Time
10 ft. sample length	5.2	6.2	3 ns
10 ft. sample length	4.2	5	5 ns
10 ft. sample length	3.3	3.8	7 ns

High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss (Attenuation)
10	3.9 dB/100ft
20	6.4 dB/100ft
30	8.7 dB/100ft
40	13 dB/100ft
50	16.9 dB/100ft
60	20.1 dB/100ft
70	22.5 dB/100ft
80	23.9 dB/100ft
90	25.1 dB/100ft

100	26.4 dB/100ft

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

Voltage

UL Voltage Rating
300 V

Mechanical Characteristics

Temperature

UL Temperature	Operating
105°C	-40°C to +105°C

Bend Radius

Installation Min.
2.07 in (52.6 mm)

Bulk Cable Weight:	25 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	VW-1
AWM Compliance:	AWM 2651, AWM 1/11, A
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: 0.500 Revision Date: 01-20-2023

Part Numbers

Variants

Item #	Color	Length	UPC
9L26016 008H100	Gray	100 ft	612825221531

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