



**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
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### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material
26	7x34	TC - Tinned Copper

Conductor Count:	16
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#### Insulation

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.010 in

#### Color Chart

Color
Gray

Table Notes:	First Conductor has Blue Stripe
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### Construction and Dimensions

Cond Spacing Center-Center:	.050 +/- .002 in
Cond Spacing Center-Center Outside:	.750 +/- .008 in
OuterJacket1, Nominal Width:	.800 +/- .008 in
OuterJacket1, Nom Thick Flat Section:	0.039 in

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR
43 Ohm/1000ft

#### Capacitance

Element	Nom. Capacitance Conductor to Conductor
@ 1 kHz (GSG)	23 pF/ft
@ 1 MHz (GS)	11 pF/ft
@ 1 MHz (GSG)	18 pF/ft

Min Insulation Resistance:	10,000 MOhm
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#### Inductance

Element	Nominal Inductance
@ 1 MHz (GS)	0.23 $\mu$ H/ft

@ 1 MHz (GSG) 0.15 µH/ft

#### Impedance

Nominal Characteristic Impedance	Nominal Characteristic Impedance Description
135 Ohm	(GS)
90 Ohm	(GSG)

#### High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
10 MHz	3.9 dB/100ft
20 MHz	6.4 dB/100ft
30 MHz	8.7 dB/100ft
40 MHz	13 dB/100ft
50 MHz	16.9 dB/100ft
60 MHz	20.1 dB/100ft
70 MHz	22.5 dB/100ft
80 MHz	23.9 dB/100ft
90 MHz	25.1 dB/100ft
100 MHz	26.4 dB/100ft

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

#### Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.48 ns/ft	68%

#### Unbalanced Crosstalk

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

#### Current

Max. Recommended Current [A]
1.5 Amps per Conductor at 20°C

#### Voltage

Dielectric Withstand Voltage	UL Voltage Rating
2000 V	300 V

#### Temperature Range

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

Bulk Cable Weight:	25 lbs/1000ft
Min Bend Radius (Overall Cable):	2.08
Min. Bend Radius During Installation:	2.07 in

#### Standards

UL AWM Style Compliance:	2651
CSA AWM Compliance:	1 A

#### Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
MII Order #39 (China RoHS):	Yes

#### Suitability

Suitability - Indoor:	Yes
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## Flammability, LSOH, Toxicity Testing

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

## Plenum/Non-Plenum

Plenum (Y/N):	No
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## Part Number

### Variants

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

## History

Update and Revision:	Revision Number: 0.386 Revision Date: 08-27-2021
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