# imall

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We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



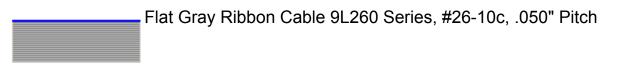
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# Part Number: 9L26010



# **Product Description**

Belden .050" pitch gray ribbon cable was designed for general purpose electronic interconnect applications. The cable provides reliable mass-termination to standard IDC connectors.

#### **Technical Specifications**

# **Physical Characteristics (Overall)**

Conductor			
AWG	Material	Construction n	CD No. of Conductors
26	TC - Tinned Copper	Stranded	10
Conductor Count: 10		)	
Conductor Size:		26	AWG

#### Insulation

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.01 in

#### **Color Chart**

Number	Color
	Gray
2	

# Color Chart 2

Number 2

#### **Outer Shield Material**

Material Unshielded

#### **Outer Jacket Material**

Nominal Wall Thickness
0.039 in

#### **Construction and Dimensions**

Cond Spacing Center-Center:	0.05 in
OuterJacket1, Nominal Width:	0.5 in
Print Legend:	BELDEN-T 26 AWG CSA AWM I A 105°C 300 V FT1 LL7874 (UL LOGO) AWM STYLE 2651 VW-1 E12683

# **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

Shielding:

Unshielded

#### Inductance

Element	Nominal Inductance
@ 1 MHz (GS)	0.23 µH/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

#### Delay

 Nominal Delay
 Nominal Velocity of Propagation (VP) [%]

 1.48 ns/ft
 67.60 %

# Unbalanced Crosstalk

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

#### High Freq

Frequency [MHz]	Max. Insertion Loss (Attenuation)
10 MHz	2 dB/100m
20 MHz	
30 MHz	
40 MHz	
50 MHz	
60 MHz	
70 MHz	
80 MHz	
90 MHz	
100 MHz	

#### Current

Max. Recommended Current [A]

per conductor @ 20°C: 1.5 A

#### Voltage

Dielectric Withstand Voltage	UL Voltage Rating
2,000 V RMS	300 V RMS

# Temperature Range

Operating Temp Range:

# **Mechanical Characteristics**

Bulk Cable Weight:

16 lbs/1000ft

-40°C To +105°C

Min Bend Radius/Minor Axis:	0.5 in
Min Bend Radius/Installation:	2 in

#### Standards

UL Rating:	AWM 2651
UL AWM Style:	2651
CSA AWM Specification:	IA

#### **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 II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-07-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

#### Suitability

Suitability - Indoor:	Yes

#### Flammability, LS0H, Toxicity Testing

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

# Plenum/Non-Plenum

Plenum (Y/N):	No

#### Part Number

#### Variants

ltem #	Color
9L26010 008H100	Gray
9L26010 008H300	Gray

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