

## Description:

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

## Physical Characteristics (Overall)

### Conductor

#### AWG:

# Conductors	AWG	Stranding	Conductor Material
16	26	7x34	TC - Tinned Copper

Conductor Spacing Center to Center: .050 +/- .002

Conductor Spacing Outside Center to Outside Center: .75 +/- .008

### Insulation

#### Insulation Material:

Insulation Material	Wall Thickness (in.)
PVC - Polyvinyl Chloride	.010

Insulation Resistance: >10,000 Megaohms

### Outer Shield

#### Outer Shield Material:

Outer Shield Material
Unshielded

### Overall Cabling

Overall Nominal Thickness: .038 +/- .002

Overall Nominal Width: .80 +/- .008

## Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +105°C

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

UL AWM Style:	2651
UL Rating:	105°C, 300 V RMS, VW-1
CSA Specification:	AWM I A 105°C 300 V FT1
CSA Rating:	105°C, 300 V RMS, FT1
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	07/01/2005
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes

CA Prop 65 (CJ for Wire & Cable): Yes

MII Order #39 (China RoHS): Yes

### Flame Test

UL Flame Test: VW-1

CSA Flame Test: FT1

### Plenum/Non-Plenum

Plenum (Y/N): No

## Surface Printing (Overall)

Surface Printing: BELDEN-T 26 AWG CSA AWM I A 105°C 300 V FT1 LL7874 (UL LOGO)  
AWM STYLE 2651 VW-1 E12683

## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

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

### Nom. Inductance:

Description	Inductance (µH/ft)
@ 1 MHz (GS)	.23
@ 1 MHz (GSG)	.15

### Nom. Capacitance Conductor to Conductor:

Description	Capacitance (pF/ft)
@ 1 kHz (GSG)	23
@ 1 MHz (GS)	11
@ 1 MHz (GSG)	18

### Nominal Velocity of Propagation:

Description	VP (%)
	67.6

### Nominal Delay:

Delay (ns/ft)
1.48 NS/FT. (GSG)

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
43 OHMS/1000 FT. MAX.

### Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
10	3.9
20	6.4
30	8.7
40	13
50	16.9
60	20.1
70	22.5
80	23.9
90	25.1
100	26.4

### Max. Operating Voltage - UL:

Voltage
300 V RMS

### Max. Recommended Current:

Current
1.5 Amps per conductor @ 20°C

## 9L26016 Flat - Gray Ribbon 9L260XX Series

**Dielectric Withstand Voltage:** 2,000 V RMS

### Typical Unbalanced Crosstalk:

Description	Pulse Rise Time (NS) (MHz)	Near End % (MHz)	Far End % (MHz)
10 ft. sample length	3	5.2	6.2
10 ft. sample length	5	4.2	5
10 ft. sample length	7	3.3	3.8

### Notes (Overall)

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

### Polarity Identification (Overall)

**Polarity Identification:** BLUE POLARITY STRIPE ON #1 CONDUCTOR

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9L26016 008H100	100 FT	2.500 LB	GRAY		16 #26 STR PVC RIBBON

# Gray Ribbon 9L260XX Series

.050" Pitch, 26 AWG, PVC

## Product Description

Belden's (9L260XX series) .050" pitch extruded gray ribbon cable was designed for general purpose electronic interconnect applications where higher current carrying capacities are required. The design also conforms to the electrical performance specifications outlined by the SCSI-3 parallel interface document. As with the 9L280XX series, the cable provides reliable mass-termination to standard .100" contact IDC connectors, flexibility, consistent electricals and breakouts can be made easily with the tear feature design. In addition, the overall cable thickness is only .038" ± .002" allowing mateability with all standard IDC connectors. The cable is constructed of stranded 26 AWG (7x34) tinned copper conductors. Insulation material consists of Gray PVC, with a Blue polarity stripe for proper circuit alignment. Various conductor counts are standard; other sizes are available upon request. The cable is UL approved and CSA certified, and passes the VW-1 Vertical Wire Flame Test.

**Color Code:** Gray with Blue polarity stripe (standard).

**Application:** Internal interconnection or internal wiring of electronic equipment.

## Physical Specifications

<b>Conductor</b>	26 AWG (7x34) Tinned Copper
<b>Insulation</b>	.010" Nom. Wall Gray PVC
<b>Pitch</b>	.050" ± .002"
<b>Temperature Rating</b>	-40 to +105°C
<b>Flammability Rating</b>	UL: VW-1; CSA: FT1
<b>UL Approval</b>	File #E12683, Style 2651
<b>CSA Approval</b>	File #LL7874, CSA AWM I A 105°C 300V FT1
<b>Packaging</b>	H100, H300, R300

## Electrical Specifications

<b>Voltage Rating</b>	300V RMS
<b>Current Rating</b>	1.5A
<b>Conductor Resistance</b>	43Ω/1000 ft.
<b>Insulation Resistance</b>	>1 x 10 <sup>10</sup> Ω • 10 ft. (3m)
<b>Impedance*</b>	90Ω
<b>Capacitance*</b> (@ 1 MHz)	18 pF/ft. (59.06 pF/m)
<b>Inductance*</b> (@ 1 MHz)	.15 μH/ft. (.49 μH/m)
<b>Propagation Delay*</b>	1.48 ns/ft. (4.85 ns/m)

\*Test Configuration: G-S-G (ground-signal-ground).

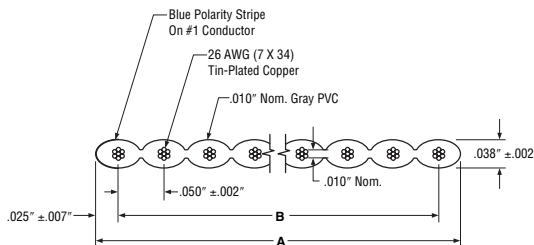
Part No. Standard [UL & CSA]	No. of Cond.	Dimensions			
		Width "A"		Span "B"	
		Inch	mm	Inch	mm
9L26010	10	.50 ±.008	12.70 ±.20	.45 ±.008	11.43 ±.20
9L26014 <sup>††</sup>	14	.70 ±.008	17.78 ±.20	.65 ±.008	16.51 ±.20
9L26016 <sup>**</sup>	16	.80 ±.008	20.32 ±.20	.75 ±.008	19.05 ±.20
9L26020 <sup>††</sup>	20	1.0 ±.008	25.40 ±.20	.95 ±.008	24.13 ±.20
9L26025 <sup>**</sup>	25	1.25 ±.008	31.75 ±.20	1.20 ±.008	30.48 ±.20
9L26026 <sup>††</sup>	26	1.30 ±.008	33.02 ±.20	1.25 ±.008	31.75 ±.20
9L26034 <sup>**</sup>	34	1.70 ±.008	43.18 ±.20	1.65 ±.008	41.91 ±.20
9L26040 <sup>†</sup>	40	2.00 ±.012	50.80 ±.30	1.95 ±.012	49.53 ±.30
9L26068 <sup>**</sup>	68	3.40 ±.012	86.36 ±.30	3.35 ±.012	85.09 ±.30

\*\* Available in H100 packaging only.

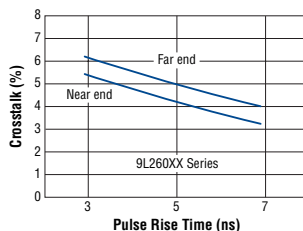
† Not available in H300 packaging.

†† Not available in R300 packaging.

## Dimensions



## Unbalanced Crosstalk\*



## Attenuation\*

