

# Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

9L26020 Flat - Gray Ribbon 9L260XX Series



For more Information  
please call

1-800-Belden1



## 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
20	26	7x34	TC - Tinned Copper

Total Number of Conductors: 20

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

Conductor Spacing Outside Center to Outside Center: .95 +/- .008

### Insulation

Insulation Material:

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

Insulation Resistance: >10, 000 Megohms

### Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

### Overall Cable

Overall Nominal Thickness: .038 +/- .002

Overall Nominal Width: 1.00 +/- .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

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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)

## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

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

### Nom. Inductance:

Description	Inductance ( $\mu$ H/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

Dielectric Withstand Voltage: 2,000 V RMS

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## 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
9L26020 008H100	100 FT	3.400 LB	GRAY		20 #26 STR PVC RIBBON

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