



9L28060 Flat - Gray Ribbon 9L280XX Series

<p>Obsolete Call 1-800-BELDEN1</p>			<p>For more information please call 1-800-Belden1</p> <p><u>See Put-ups and Colors</u></p>
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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:

CONDUCTOR:

Number of Conductors	60
Total Number of Conductors	60
AWG	28
Stranding	7x36
Conductor Material	TC - Tinned Copper

INSULATION:

Insulation Material	PVC - Polyvinyl Chloride
Nom. Insulation Wall Thickness	.010 in.
Insulation Resistance	>10, 000 Megaohms

SPACING:

Conductor Spacing Center to Center	.050 +/- .002 in.
Conductor Spacing Outside Center to Outside Center	2.95 +/- .012 in.

OVERALL:

Overall Nominal Width	3.00 +/- .012 in.
Overall Nominal Thickness	.035 +/- .003 in.

OUTER SHIELD:

Outer Shield Material	Unshielded
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-40°C To +105°C
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APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

UL AWM Style	2651
UL Rating	105°C, 300 V RMS, VW-1
CSA Specification	AWM I A 105°C 300 V FT1

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CSA Rating	105°C, 300 V RMS, FT1
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	07/01/2005

FLAME TEST:

UL Flame Test	VW-1
CSA Flame Test	FT1

PLENUM/NON-PLENUM:

Plenum (Y/N)	N
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POLARITY IDENTIFICATION:

Polarity Identification	RED POLARITY STRIPE ON #1 CONDUCTOR
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ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance :

Description	Nom. Characteristic Impedance (Ohms)
(GS)	150
(GSG)	105

Nom. Inductance :

Description	Nominal Inductance (µH/ft)
@ 1 MHz (GS)	.29
@ 1 MHz (GSG)	.20

Nom. Capacitance Conductor to Conductor :

Description	Nom. Capacitance Conductor to Conductor (pF/ft)
@ 1 kHz (GSG)	18
@ 1 MHz (GS)	10
@ 1 MHz (GSG)	15

Nominal Velocity of Propagation :

Description	Nominal Velocity of Propagation (%)
	72

Nominal Delay	1.40 NS/FT. (GSG) ns/ft
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Nom. Conductor DC Resistance @ 20 Deg. C	68.2 OHMS/1000 FT. MAX. Ohms/1000 ft
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Nom. Attenuation :	
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Description	Frequency (MHz)	Nom. Attenuation (dB/100 ft.)
	10	2.8
	20	4.8
	30	6.5
	40	8.3
	50	9.8
	60	12
	70	13
	80	14
	90	15.8
	100	17

Typical Unbalanced Crosstalk :

Description	Pulse Rise Time (NS)	Near End (%)	Far End (%)	Typical Unbalanced Crosstalk (dB)
10 ft. sample length	3	4.8	7	
10 ft. sample length	5	3.5	4.7	
10 ft. sample length	7	3	3	

Max. Operating Voltage - UL 300 V RMS

Max. Recommended Current 1 Amp per conductor @ 20°C

Dielectric Withstand Voltage 2,000 V RMS

NOTES:

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

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
9L28060 008H100	60 #28 STR PVC RIBBON	H100	7	GRAY	
9L28060 008H300	60 #28 STR PVC RIBBON	H300	21	GRAY	
9L28060 008R300	60 #28 STR PVC RIBBON	R300	21	GRAY	

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