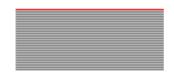


9L28060 Flat - Gray Ribbon 9L280XX Series







For more information please call 1-800-Belden1

See Put-ups and Colors

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

MECHANICAL CHARACTERISTICS:

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

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

POLARITY IDENTIFICATION:

Polarity Identification RED POLARITY STRIPE ON #1 CONDUCTOR

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
Nom. Conductor DC Resistance @ 20 Deg. C
68.2 OHMS/1000 FT. MAX. Ohms/1000 ft

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 (%)		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	Notes	GS=Ground-Signal Mode; GSG=Ground-Signal-Ground Mode
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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	

Revision Number: 1 Revision Date: 12-07-2006

Detailed Specifications & Technical Data



9L28060 Flat - Gray Ribbon 9L280XX Series

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