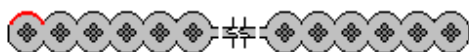


9L30050 Flat - Gray Ribbon 9L300XX Series



For more Information
please call

1-800-Belden1

**Description:**

Belden's miniaturized .025" pitch gray ribbon cable provides higher signal density and greater design flexibility. The cable is manufactured to precise tolerances which allows for mass-termination to standard IDC connectors.

Physical Characteristics (Overall)**Conductor****AWG:**

# Conductors	AWG Stranding	Conductor Material
50	30 7x38	TC - Tinned Copper

Total Number of Conductors: 50

Conductor Spacing Center to Center: .025 +/- .002

Conductor Spacing Outside Center to Outside Center: 1.225 +/- .009

Insulation**Insulation Material:**

Insulation Material	Wall Thickness (in.)
PVC - Polyvinyl Chloride	.0075

Insulation Resistance: > 10,000 Megaohms

Outer Shield**Outer Shield Material:**

Outer Shield Material
Unshielded

Overall Cable

Overall Nominal Thickness: .027 +/- .002

Overall Nominal Width: 1.25 +/- .011

Mechanical Characteristics (Overall)

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

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

UL AWM Style: 2678

UL Rating: 105°C, 150 V, VW-1

CSA Specification: AWM I A 105°C 150 V FT1

CSA Rating: 105°C, 150 V, 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

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EU Directive 2002/96/EC (WEEE):	Yes
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EU Directive 2003/11/EC (BFR):	Yes
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CA Prop 65 (CJ for Wire & Cable):	Yes
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MII Order #39 (China RoHS):	Yes
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Flame Test

UL Flame Test:	VW-1
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CSA Flame Test:	FT1
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Surface Printing (Overall)**Electrical Characteristics (Overall)****Nom. Characteristic Impedance:**

Description	Impedance (Ohm)
(GS)	105
(GSG)	70

Nom. Inductance:

Description	Inductance (μH/ft)
@ 1 MHz (GS)	.21
@ 1 MHz (GSG)	.14

Nom. Capacitance Conductor to Conductor:

Description	Capacitance (pF/ft)
@ 1 kHz (GS)	18
@ 1 kHz (GSG)	32
@ 1 MHz (GS)	14
@ 1 MHz (GSG)	24

Nominal Velocity of Propagation:

Description	VP (%)
	66

Nominal Delay:

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

Nom. Conductor DC Resistance:

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

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
10	5.4
20	9.5
30	14.1
40	18
50	20.1
60	24.9
70	26.5
80	30
90	30.6
100	33

Max. Operating Voltage - UL:

Voltage
150 V RMS

Max. Recommended Current:

Current

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0.5 Amps per conductor @ 20°C

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	6	7.1
10 ft. sample length	5	5.4	7
10 ft. sample length	7	5	6.6

Notes (Overall)

Notes: GSG=Ground-Signal-Ground Mode

Polarity Identification (Overall)

Polarity Identification: RED POLARITY STRIPE ON #1 CONDUCTOR

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9L30050 008H100	100 FT	3.400 LB	GRAY		50 #30 STR PVC RIBBON

Revision Number: 1 Revision Date: 09-23-2008

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.

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