

# Gray Ribbon 9L300XX Series

.025" Pitch, 30 AWG, PVC

## Product Description

Belden's miniaturized .025" pitch extruded gray ribbon cable provides higher signal density, greater design flexibility, and an alternative to the expensive Teflon® transmission cables. The cable is manufactured to precise tolerances which allows for mass-termination to standard .050" contact IDC connectors while assuring consistent and reliable electrical characteristics. With the miniaturization of the interconnects, significant reduction in components can be achieved. The cable is constructed of stranded 30 AWG (7x38) tinned copper conductors. Insulation material consists of Gray PVC, with a Red polarity stripe for proper circuit alignment. Standard conductor counts are 26 and 50; 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 Red polarity stripe.

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

## Physical Specifications

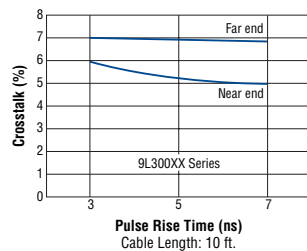
<b>Conductor</b>	30 AWG (7x38) Tinned Copper
<b>Insulation</b>	.0075" Nom. Wall Gray PVC
<b>Pitch</b>	.025" ± .002"
<b>Temperature Rating</b>	-40 to +105°C
<b>Flammability Rating</b>	UL: VW-1, CSA: FT1
<b>UL Approval</b>	File #E12683, Style 2678
<b>CSA Approval</b>	File #LL7874, CSA AWM I A 105°C 150V FT1
<b>Packaging</b>	H100, H300

## Electrical Specifications

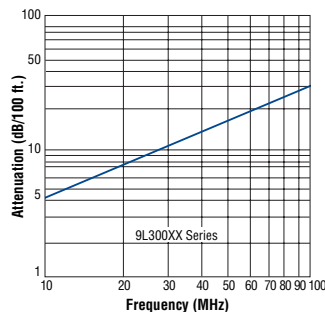
<b>Voltage Rating</b>	150V RMS
<b>Current Rating</b>	.5A
<b>Conductor Resistance</b>	108Ω/1000 ft.
<b>Insulation Resistance</b>	>1 x 10 <sup>10</sup> Ω • 10 ft. (3m)
<b>Impedance*</b>	70Ω
<b>Capacitance* (@ 1 MHz)</b>	24 pF/ft. (79 pF/m)
<b>Inductance* (@ 1 MHz)</b>	.14 μH/ft. (.46 μH/m)
<b>Propagation Delay*</b>	1.52 ns/ft. (4.99 ns/m)

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

## Unbalanced Crosstalk



## Attenuation



Teflon is a DuPont trademark.

Part No.	No. of Cond.	Dimensions			
		Width "A"		Span "B"	
		Inch	mm	Inch	mm
<b>9L30026</b>	26	.650 ±.010	16.51 ±.25	.625 ±.007	15.88 ±.18
<b>9L30050<sup>†</sup></b>	50	1.250 ±.011	31.75 ±.28	1.225 ±.009	31.12 ±.23

<sup>†</sup>Available in H100 packaging only.

## Dimensions

