

Gray Ribbon 2L280XX Series

1mm Pitch, 28 AWG, PVC

Product Description

Belden's 1mm (.03937" pitch) extruded gray ribbon cable was designed for the disk drive market where the 2mm IDC connector is widely used. The cable provides improved space reduction, easy breakouts for circuit routing, and maintains the current carrying capacity required for these applications. In addition, the electrical performance meets those requirements specified by the SCSI-3 parallel interface document. The cable is constructed of stranded 28 AWG (7x36) tinned copper conductors. Insulation material consists of Gray PVC, with a Black polarity stripe for proper circuit alignment. Standard conductor counts are 26, 34, 40, 44 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 Black polarity stripe.

Application: Internal interconnection or internal wiring of electronic equipment.

Physical Specifications

Conductor	28 AWG (7x36) Tinned Copper
Insulation	.010" Nom. Wall Gray PVC
Pitch	1mm ± 0.51mm (.0394" ± .002")
Temperature Rating	-40 to +105°C
Flammability Rating	UL: VW-1; CSA: FT1
UL Approval	File #E12683, Style 2651
CSA Approval	File #LL7874, CSA AWM I A 105°C 300V FT1
Packaging	H100, R300

Electrical Specifications

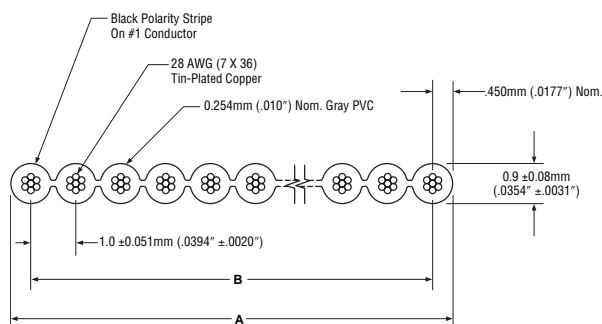
Voltage Rating	300V RMS
Current Rating	1A
Conductor Resistance	68.2Ω/1000 ft.
Insulation Resistance	>1 x 10 ¹⁰ Ω • 10 ft. (3m)
Impedance*	90Ω
Capacitance* (@ 1 MHz)	16.5 pF/ft. (54 pF/m)
Inductance* (@ 1 MHz)	.16 μH/ft. (.52 μH/m)
Propagation Delay*	1.47 ns/ft. (4.8 ns/m)

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

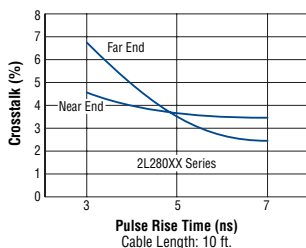
Part No.	No. of Cond.	Dimensions			
		Width "A"		Span "B"	
		Inch	mm	Inch	mm
2L28026**	26	1.020 ±.008	25.9 ±.20	.984 ±.008	25.0 ±.20
2L28034**	34	1.335 ±.012	33.9 ±.30	1.299 ±.012	33.0 ±.30
2L28040**	40	1.571 ±.012	39.9 ±.30	1.535 ±.012	39.0 ±.30
2L28044**	44	1.728 ±.012	43.9 ±.30	1.693 ±.012	43.0 ±.30
2L28050	50	1.965 ±.012	49.9 ±.30	1.929 ±.012	49.0 ±.30

**Available in H100 packaging only.

Dimensions



Unbalanced Crosstalk*



Attenuation*

