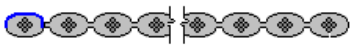
Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

9L26016 Flat - Gray Ribbon 9L260XX Series



For more Information please call

1-800-Belden1

General 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 (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
16	26	7x34	TC - Tinned Copper

Total Number of Conductors:	16
Conductor Spacing Center to Center:	.050

Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
PVC - Polyvinyl Chloride	.010

Insulation Resistance:	>10,000 Megaohms

Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

Overall Cable

Overall Nominal Thickness:	.039
Overall Nominal Width:	.800

Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +105°C
Bulk Cable Weight:	25 lbs/1000 ft.
Min. Bend Radius/Minor Axis:	0.500 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

UL Rating:	105°C, 300 V RMS, VW-1
CSA Specification:	AWM I A
CSA Rating:	AWM 2651
EU Directive 2011/65/EU (ROHS II):	Yes
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
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Flame Test

UL Flame Test:	VW-1
CSA Flame Test:	FT1

Plenum/Non-Plenum

Plenum (Y/N): No

Surface Printing (Overall)

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Description	Impedance (Ohm)
(GS)	135
(GSG)	90

Nom. Inductance:

Description	Inductance (µH/ft)
@ 1 MHz (GS)	.23
@ 1 MHz (GSG)	.15

Nom. Capacitance Conductor to Conductor:

Description	Capacitance (pF/ft)
@ 1 kHz (GSG)	23
@ 1 MHz (GS)	11
@ 1 MHz (GSG)	18

Nominal Velocity of Propagation:

Description	VP (%)
	67.6

Nominal Delay:

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

Nom. Conductor DC Resistance:

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

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
10	3.9
20	6.4
30	8.7
40	13
50	16.9
60	20.1
70	22.5
80	23.9
90	25.1
100	26.4

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Current
1.5 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	5.2	6.2
10 ft. sample length	5	4.2	5
10 ft. sample length	7	3.3	3.8

Notes (Overall)

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

Polarity Identification (Overall)

Polarity Identification: BLUE POLARITY STRIPE ON #1 CONDUCTOR

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9L26016 008H100	100 FT	2.800 LB	GRAY		16 #26 STR PVC RIBBON

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Адрес: 105318, г.Москва, ул.Щербаковская д.3, офис 1107

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Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:
moschip.ru
moschip.ru_4
moschip.ru_6
moschip.ru_9