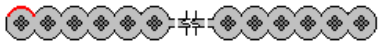
Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

9L30050 Flat - Gray Ribbon 9L300XX Series



For more Information please call

1-800-Belden1

General 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	0.008

Insulation Resistance:	> 10,000 Megaohms

Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

Overall Cable

Overall Nominal Thickness:	.122 +/- .002
Overall Nominal Width:	1.25 +/- .007

Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +105°C
Bulk Cable Weight:	33 lbs/1000 ft.
Min. Bend Radius/Minor Axis:	0.500 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

UL Rating:	UL AWM Style 2678
CSA Specification:	AWM I A 105°C 150 V FT1
CSA Rating:	105°C, 150 V, FT1
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)	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
0.5 Amps per conductor @ 20°C

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

9L30050 Flat - Gray Ribbon 9L300XX Series

Revision Number: 2 Revision Date: 11-08-2012

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.
Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.
All sales of Belden products are subject to Belden's standard terms and conditions of sale.
Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.
Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.

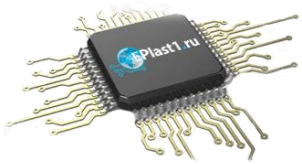
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)
Факс: 8 (812) 320-02-42
Электронная почта: org@eplast1.ru
Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.