



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



**Part Number: 9L26016**

**Flat Gray Ribbon Cable 9L260XX Series**



### Product Description

Belden .050" pitch gray ribbon cable was designed for general purpose electronic interconnect applications. The cable provides reliable mass-termination to standard IDC connectors.

### Technical Specifications

#### Physical Characteristics (Overall)

##### Conductor

| AWG | Material           | Construction n x D | No. of Conductors |
|-----|--------------------|--------------------|-------------------|
| 26  | TC - Tinned Copper | Stranded           | 16                |

|                  |        |
|------------------|--------|
| Conductor Count: | 16     |
| Conductor Size:  | 26 AWG |

##### Insulation

| Material                 | Nominal Wall Thickness |
|--------------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.01 in                |

##### Color Chart

| Color |
|-------|
| Gray  |

##### Outer Shield Material

| Material   |
|------------|
| Unshielded |

##### Outer Jacket Material

| Nominal Wall Thickness |
|------------------------|
| 0.039 in               |

#### Construction and Dimensions

|                              |                                                                                         |
|------------------------------|-----------------------------------------------------------------------------------------|
| Cond Spacing Center-Center:  | 0.05 in                                                                                 |
| OuterJacket1, Nominal Width: | 0.8 in                                                                                  |
| Print Legend:                | BELDEN-T 26 AWG CSA AWM I A 105°C 300 V FT1 LL7874 (UL LOGO) AWM STYLE 2651 VW-1 E12683 |

#### Electrical Characteristics

##### Conductor DCR

| Nominal Conductor DCR | Nominal Outer Shield DCR |
|-----------------------|--------------------------|
| 43 Ohm/1000ft         | 2.1 Ohm/1000ft           |

##### Capacitance

| Element       | Nom. Capacitance Conductor to Conductor |
|---------------|-----------------------------------------|
| @ 1 kHz (GSG) | 23 pF/ft                                |
| @ 1 MHz (GS)  | 11 pF/ft                                |
| @ 1 MHz (GSG) | 18 pF/ft                                |

|            |            |
|------------|------------|
| Shielding: | Unshielded |
|------------|------------|

##### Inductance

| Element       | Nominal Inductance |
|---------------|--------------------|
| @ 1 MHz (GS)  | 0.23 $\mu$ H/ft    |
| @ 1 MHz (GSG) | 0.15 $\mu$ H/ft    |

#### Impedance

| Nominal Characteristic Impedance | Nominal Characteristic Impedance Description |
|----------------------------------|----------------------------------------------|
| 135 Ohm                          | (GS)                                         |
| 90 Ohm                           | (GSG)                                        |

#### High Frequency (Nominal/Typical)

| Frequency [MHz] | Nom. Insertion Loss |
|-----------------|---------------------|
| 10 MHz          | 3.9 dB/100ft        |
| 20 MHz          | 6.4 dB/100ft        |
| 30 MHz          | 8.7 dB/100ft        |
| 40 MHz          | 13 dB/100ft         |
| 50 MHz          | 16.9 dB/100ft       |
| 60 MHz          | 20.1 dB/100ft       |
| 70 MHz          | 22.5 dB/100ft       |
| 80 MHz          | 23.9 dB/100ft       |
| 90 MHz          | 25.1 dB/100ft       |
| 100 MHz         | 26.4 dB/100ft       |

#### Delay

| Nominal Delay | Nominal Velocity of Propagation (VP) [%] |
|---------------|------------------------------------------|
| 1.48 ns/ft    | 67.60 %                                  |

#### Unbalanced Crosstalk

| Element              | Typical Unbalanced NEXT % | Typical Unbalanced FEXT % | Typical Cross Talk Pulse Rise Time (ns) |
|----------------------|---------------------------|---------------------------|-----------------------------------------|
| 10 ft. sample length | 5.2 MHz                   | 6.2 MHz                   | 3 ns                                    |
| 10 ft. sample length | 4.2 MHz                   | 5 MHz                     | 5 ns                                    |
| 10 ft. sample length | 3.3 MHz                   | 3.8 MHz                   | 7 ns                                    |

#### High Freq

| Frequency [MHz] |
|-----------------|
| 10 MHz          |
| 20 MHz          |
| 30 MHz          |
| 40 MHz          |
| 50 MHz          |
| 60 MHz          |
| 70 MHz          |
| 80 MHz          |
| 90 MHz          |
| 100 MHz         |

#### Current

| Max. Recommended Current [A] |
|------------------------------|
| per conductor @ 20°C: 1.5 A  |

#### Voltage

| Dielectric Withstand Voltage | UL Voltage Rating |
|------------------------------|-------------------|
| 2,000 V RMS                  | 300 V RMS         |

#### Temperature Range

|                       |                 |
|-----------------------|-----------------|
| Operating Temp Range: | -40°C To +105°C |
|-----------------------|-----------------|

#### Mechanical Characteristics

|                                  |               |
|----------------------------------|---------------|
| Bulk Cable Weight:               | 25 lbs/1000ft |
| Min Bend Radius (Overall Cable): | 2.08          |
| Min Bend Radius/Installation:    | 2.07 in       |

#### Dimensions (WxHxD)

| Width |
|-------|
|-------|

## Standards

|                        |                        |
|------------------------|------------------------|
| UL Rating:             | 105°C, 300 V RMS, VW-1 |
| UL AWM Style:          | 2651                   |
| CSA Rating:            | AWM 2651               |
| CSA AWM Specification: | I A 105C 300V          |

## Applicable Environmental and Other Programs

|                                       |                               |
|---------------------------------------|-------------------------------|
| EU Directive 2000/53/EC (ELV):        | Yes                           |
| EU Directive 2003/96/EC (BFR):        | Yes                           |
| EU Directive 2011/65/EU (ROHS II):    | Yes                           |
| EU Directive 2012/19/EU (WEEE):       | Yes                           |
| EU Directive 2015/863/EU:             | Yes                           |
| EU Directive Compliance:              | EU Directive 2003/11/EC (BFR) |
| EU CE Mark:                           | Yes                           |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2005-07-01                    |
| CA Prop 65 (CJ for Wire & Cable):     | Yes                           |
| MII Order #39 (China RoHS):           | Yes                           |

## Suitability

|                       |     |
|-----------------------|-----|
| Suitability - Indoor: | Yes |
|-----------------------|-----|

## Flammability, LSOH, Toxicity Testing

|                    |           |
|--------------------|-----------|
| UL Flammability:   | VW-1      |
| CSA Flammability:  | FT1       |
| UL voltage rating: | 300 V RMS |

## Plenum/Non-Plenum

|               |    |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

## Part Number

### Variants

| Item #          | Color |
|-----------------|-------|
| 9L26016 008H100 | Gray  |

© 2018 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in 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 "ASIS" 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 all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information 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. The 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.