



For more Information
please call

1-800-Belden1



General Description:

The shielded jacketed 9L283XX series provides shielding from external electrical interference and allows for greater flexibility, ease of termination, while providing exterior protection from the environment.

Physical Characteristics (Overall)

Conductor

AWG:

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 10 | 28 | 7x36 | TC - Tinned Copper |

Total Number of Conductors: 10

Conductor Spacing Center to Center: .050 +/- .002

Conductor Spacing Outside Center to Outside Center: .45 +/- .008

Insulation

Insulation Material:

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

Insulation Resistance: >10,000 Megaohms

Outer Shield

Outer Shield Material:

| Outer Shield Trade Name | Type | Outer Shield Material | Coverage (%) |
|-------------------------|------|---|--------------|
| Beldfoil® | Tape | Aluminum Foil-Polyester Tape (Foil Side In) | 100.000 |

Outer Shield Drain Wire AWG:

| AWG | Stranding | Drain Wire Conductor Material |
|------|-----------|-------------------------------|
| 2-28 | 7x36 | TC - Tinned Copper |

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material | Nom. Wall Thickness (in.) |
|--------------------------|---------------------------|
| PVC - Polyvinyl Chloride | .038 |

Overall Cable

Overall Nominal Thickness: .115 +/- .015

Overall Nominal Width: .570 +/- .035

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +105°C

Bulk Cable Weight: 47 lbs/1000 ft.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

UL Rating: UL AWM Style 2651, 20081

CSA Specification: AWM II A 105°C 300 V

CSA Rating: 105°C, 300 V RMS, 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): 10/01/2005

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

| | |
|-----------------------------------|-----|
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| MIL 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) |
|----------------------------|-----------------|
| (GSG) with shield grounded | 45 |

Nom. Inductance:

| Description | Inductance (µH/ft) |
|------------------------------------|--------------------|
| @ 1 MHz (GSG) with shield grounded | .11 |

Nom. Capacitance Conductor to Conductor:

| Description | Capacitance (pF/ft) |
|------------------------------------|---------------------|
| @ 1 kHz (GSG) with shield grounded | 70 |
| @ 1 MHz (GSG) with shield grounded | 50 |

Nominal Velocity of Propagation:

| Description | VP (%) |
|-------------|--------|
| | 60 |

Nominal Delay:

| Delay (ns/ft) |
|---------------------------------------|
| 1.7 NS/FT. (GSG) with shield grounded |

Nom. Conductor DC Resistance:

| DCR @ 20°C (Ohm/1000 ft) |
|--------------------------|
| 68.2 OHMS/1000 FT. MAX. |

Nom. Attenuation:

| Description | Freq. (MHz) | Attenuation (dB/100 ft.) |
|----------------------------|-------------|--------------------------|
| (GSG) with shield grounded | 10 | 6 |
| (GSG) with shield grounded | 20 | 9.5 |
| (GSG) with shield grounded | 30 | 12.5 |
| (GSG) with shield grounded | 40 | 14.9 |
| (GSG) with shield grounded | 50 | 17.2 |
| (GSG) with shield grounded | 60 | 19 |
| (GSG) with shield grounded | 70 | 21.5 |
| (GSG) with shield grounded | 80 | 23 |
| (GSG) with shield grounded | 90 | 24.5 |
| (GSG) with shield grounded | 100 | 26 |

Max. Operating Voltage - UL:

| Voltage |
|-----------|
| 300 V RMS |

Max. Recommended Current:

| Current |
|----------------------------|
| 1 Amp per conductor @ 20°C |

Typical Unbalanced Crosstalk:

| Description | Pulse Rise Time (NS) (MHz) | Near End % (MHz) | Far End % (MHz) |
|--|----------------------------|------------------|-----------------|
| 10 ft. sample length with ground connected to shield | 3 | 1.5 | 2 |
| 10 ft. sample length with ground connected to shield | 5 | .9 | 1.5 |
| 10 ft. sample length with ground connected to shield | 7 | .7 | 1.2 |

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 |
|--------|-------|-------------|-------|-------|-----------|
|--------|-------|-------------|-------|-------|-----------|

ENGLISH MEASUREMENT VERSION

9L28310 Flat - Shielded Jacketed 9L283XX Series

| | | | | | |
|----------------|--------|----------|-------|---|--------------------------|
| 9L28310 010100 | 100 FT | 5.200 LB | BLACK | E | 10 #28 PVC FS PVC RIBBON |
|----------------|--------|----------|-------|---|--------------------------|

Notes:

E = MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 25'

Revision Number: 3 Revision Date: 11-08-2012

© 2015 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 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 «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



Тел: +7 (812) 336 43 04 (многоканальный)

Email: org@lifeelectronics.ru