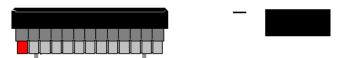
## **Detailed Specifications & Technical Data**

METRIC MEASUREMENT VERSION



### 9L28326 Flat - Shielded Jacketed 9L283XX Series



For more Information please call

1-800-Belden1



### **General Description:**

EU Directive 2002/96/EC (WEEE):

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 28 7x36 TC - Tinned Copper **Total Number of Conductors:** 26 **Conductor Spacing Center to Center:** .050 +/- .002 **Conductor Spacing Outside Center to Outside Center:** 1.25 +/- .008 Insulation Insulation Material: Insulation Material Wall Thickness (mm) PVC - Polyvinyl Chloride 0.254 Insulation Resistance: >10,000 Megaohms **Outer Shield Outer Shield Material:** Outer Shield Trade Name Type Outer Shield Material Tape | Aluminum Foil-Polyester Tape (Foil Side In) | 100.000 Outer Shield Drain Wire AWG: AWG Stranding Drain Wire Conductor Material TC - Tinned Copper 2-28 7x36 **Outer Jacket Outer Jacket Material:** Outer Jacket Material Nom. Wall Thickness (mm) PVC - Polyvinyl Chloride 0.9652 **Overall Cable Overall Nominal Thickness:** .115 +/- .015 **Overall Nominal Width:** 1.370 +/- .035 **Mechanical Characteristics (Overall)** Operating Temperature Range: -20°C To +105°C **Bulk Cable Weight:** 144.355 Kg/Km Min. Bend Radius/Minor Axis: 31.750 mm **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 FU CF 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

Yes

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# **Detailed Specifications & Technical Data**

### **METRIC MEASUREMENT VERSION**



### 9L28326 Flat - Shielded Jacketed 9L283XX Series

	EU Directive 2003/11/EC (BFR):	Yes		
	CA Prop 65 (CJ for Wire & Cable):	Yes		
	MII Order #39 (China RoHS):	Yes		
Flar	Flame Test			
	UL Flame Test:	VW-1		
	CSA Flame Test:	FT1		
Ple	Plenum/Non-Plenum			
	Plenum (Y/N):	No		
Cur	face Printing (Overall)			
Jul	ace Filliulu (Overall)			

Surface Printing:

BELDEN-T 28 AWG CSA AWM II A 105°C 300 V FT-1 LL7874 (UL LOGO) AWM STYLE 20081 VW-1 E12683

### **Electrical Characteristics (Overall)**

Nom. Characteristic Impedance:

Description	Impedance (Ohm)
(GSG) with shield grounded	45

#### Nom. Inductance:

Description	Inductance (µH/m)
@ 1 MHz (GSG) with shield grounded	0.36091

#### Nom. Capacitance Conductor to Conductor:

Description	Capacitance (pF/m)
@ 1 kHz (GSG) with shield grounded	229.67
@ 1 MHz (GSG) with shield grounded	164.05

#### Nominal Velocity of Propagation:

Description	VP	(%)
	60	

### Nominal Delay:

### Delay (ns/m)

1.7 NS/FT. (GSG) with shield grounded

### Nom. Conductor DC Resistance:

### DCR @ 20°C (Ohm/km)

68.2 OHMS/1000 FT. MAX.

### Nom. Attenuation:

Description	Freq. (MHz)	Attenuation (dB/100m)
(GSG) with shield grounded	10	19.686
(GSG) with shield grounded	20	31.1695
(GSG) with shield grounded	30	41.0125
(GSG) with shield grounded	40	48.8869
(GSG) with shield grounded	50	56.4332
(GSG) with shield grounded	60	62.339
(GSG) with shield grounded	70	70.5415
(GSG) with shield grounded	80	75.463
(GSG) with shield grounded	90	80.3845
(GSG) with shield grounded	100	85.306

### 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

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## **Detailed Specifications & Technical Data**

#### **METRIC MEASUREMENT VERSION**



### 9L28326 Flat - Shielded Jacketed 9L283XX Series

#### **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9L28326 010100	100 FT	10.700 LB	BLACK	E	26 #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

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