imall

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!



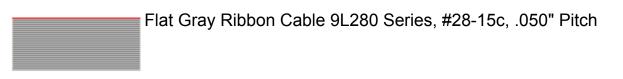
Contact us

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: 9L28015



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)

AWG		Material	Construction r	n x D No. of Conductors
28	TC -	Tinned Copper	Stranded	15
Condu	ctor C	ount:		15
Condu	ctor S	ize:	2	28 AWG
Insulat	ion			
	Mate	erial N	ominal Wall Thi	ckness
PVC -	Polyvi	nyl Chloride 0.	.01 in	
Color C	hart			
Color				
Gray				
		Material		
Mate Unshie				
Unshie	eided			
Outer J	lacket	Material		
		II Thickness		
0.035	in			
Weigh	t:		4	2.6 lbs
Cons	Construction and Dimensions			
Cond	Spacin	ig Center-Cente	er: .	.050 in
Cond Spacing Center-Center Outside:		er Outside:	.70 in	
OuterJacket1, Nominal Width:		.75 in		
Print L	egend	:	1	BELDEN-T 28 AWG CSA
	Electrical Characteristics			

Nominal Conductor DCR 68.2 Ohm/1000ft

Capacitance

	Element	Max. Capacitance Unbala	ance	Nom. Capacitance Conductor to Conductor
	@ 1 kHz (GSG)	2.625 pF/ft		18 pF/ft
	@ 1 MHz (GS)	2.625 pF/ft		10 pF/ft
	@ 1 MHz (GSG)			15 pF/ft
ĺ	Shielding:		Jnshi	elded

Inductance

Element	Nominal Inductance
@ 1 MHz (GS)	0.29 µH/ft
@ 1 MHz (GSG)	0.2 µH/ft

Impedance

Nominal Characteristic Impedance	Nominal Characteristic Impedance Description
150 Ohm	(GS)
105 Ohm	(GSG)

High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
10 MHz	2.8 dB/100ft
20 MHz	4.8 dB/100ft
30 MHz	6.5 dB/100ft
40 MHz	8.3 dB/100ft
50 MHz	9.8 dB/100ft
60 MHz	12 dB/100ft
70 MHz	13 dB/100ft
80 MHz	14 dB/100ft
90 MHz	15.8 dB/100ft
100 MHz	17 dB/100ft

Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.4 ns/ft	72 %

Unbalanced Crosstalk

Element	Typical Unbalanced NEXT %	Typical Unbalanced FEXT %	Typical Cross Talk Pulse Rise Time (ns)
10 ft. sample length	4.8 MHz	7 MHz	3 ns
10 ft. sample length	3.5 MHz	4.7 MHz	5 ns
10 ft. sample length	3 MHz	3 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 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:	17 lbs/1000ft
Min Bend Radius/Minor Axis:	2.625 in
Min Bend Radius/Installation:	2.6 in

Standards

UL Rating:	105°C, 300 V RMS, VW-1
UL AWM Style:	2651
CSA Rating:	105°C, 300 V RMS, FT1
CSA AWM Specification:	I A 105°C 300V FT1

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, LS0H, 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

9L28015 008H100 Gray

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