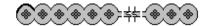
Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



2L28026 Flat - Gray Ribbon 2L280XX Series



For more Information please call

1-800-Belden1



General Description:

Belden's 1.00mm pitch gray ribbon cable was designed for the disk drive market where the 2.00mm IDC connector is widely used.

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
26	28	7x36	TC - Tinned Copper

Total Number of Conductors: 26

Conductor Spacing Center to Center: .039 +/- .003

Conductor Spacing Outside Center to Outside .984 +/- .008

Center:

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 Material
Unshielded

Overall Cable

Overall Nominal Thickness: .035 +/- .003

Overall Nominal Width: 1.020

Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +105°C

Bulk Cable Weight: 44.646 Kg/Km

Min. Bend Radius/Minor Axis: 12.700 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

UL Rating:	AWM Style 2651
CSA Rating:	IA
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

.....

Page 1 of 3 10-30-2013

Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



2L28026 Flat - Gray Ribbon 2L280XX Series

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	
lame 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)	130
(GSG)	90

Nom. Inductance:

Description	Inductance (µH/m)			
@ 1 MHz (GS)	0.78744			
@ 1 MHz (GSG)	0.52496			

Nom. Capacitance Conductor to Conductor:

Description	Capacitance (pF/m)
@ 1 kHz (GSG)	65.62
@ 1 MHz (GS)	31.1695
@ 1 MHz (GSG)	54.1365

Nominal Velocity of Propagation:

Description	VP	(%)
	69	

Nominal Delay:

Delay (ns/m) 1.47 NS/FT. (GSG)

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 68.2 OHMS/1000 FT. MAX.

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
10	10.8273
20	16.7331
30	22.967
40	27.2323
50	32.1538
60	38.0596
70	42.9811
80	46.5902
90	53.8084
100	57.7456

Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Recommended Current:

Current
1 Amp per conductor @ 20°C

Page 2 of 3 10-30-2013

Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



2L28026 Flat - Gray Ribbon 2L280XX Series

Dielectric Withstand Voltage: 2.000 V RMS

Typical Unbalanced Crosstalk:

Description	Pulse Rise Time (NS) (MHz)	Near End % (MHz)	Far End % (MHz)
10 ft. sample length	3	4.3	6.7
10 ft. sample length	5	3.8	3.4
10 ft. sample length	7	3.6	2.5

Notes (Overall)

Notes: GSG=Ground-Signal-Ground Mode

Polarity Identification (Overall)

Polarity Identification: BLACK POLARITY STRIPE ON #1 CONDUCTOR

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
2L28026 008H100	30 MT	1.406 KG	GRAY		26 #28 STR PVC RIBBON

Revision Number: 2 Revision Date: 10-15-2012

© 2013 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.

All sales of beiden 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.