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1-800-Belden1



General Description:

Belden's miniaturized .025" pitch gray ribbon cable provides higher signal density and greater design flexibility. The cable is manufactured to precise tolerances which allows for mass-termination to standard IDC connectors.

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
26	30	7x38	TC - Tinned Copper

Total Number of Conductors: 26

Conductor Spacing Center to Center: .025 +/- .002

Conductor Spacing Outside Center to Outside Center: .625 +/- .007

Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
PVC - Polyvinyl Chloride	.0075

Insulation Resistance: > 10,000 Megaohms

Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

Overall Cable

Overall Nominal Thickness: .027 +/- .002

Overall Nominal Width: .650 +/- .010

Mechanical Characteristics (Overall)

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

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

UL AWM Style:	2678
UL Rating:	105°C, 150 V, VW-1
CSA Specification:	AWM I A 105°C 150 V FT1
CSA Rating:	105°C, 150 V, 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):	07/01/2005
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)
(GS)	105
(GSG)	70

Nom. Inductance:

Description	Inductance (µH/ft)
@ 1 MHz (GS)	.21
@ 1 MHz (GSG)	.14

Nom. Capacitance Conductor to Conductor:

Description	Capacitance (pF/ft)
@ 1 kHz (GS)	18
@ 1 kHz (GSG)	32
@ 1 MHz (GS)	14
@ 1 MHz (GSG)	24

Nominal Velocity of Propagation:

Description	VP (%)
	66

Nominal Delay:

Delay (ns/ft)
1.52 NS/FT. (GSG)

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
108 OHMS/1000 FT. MAX.

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
10	5.4
20	9.5
30	14.1
40	18
50	20.1
60	24.9
70	26.5
80	30
90	30.9
100	33

Max. Operating Voltage - UL:

Voltage
150 V RMS

Max. Recommended Current:

Current
0.5 Amps per conductor @ 20°C

Dielectric Withstand Voltage: 2000 V RMS

Typical Unbalanced Crosstalk:

Description	Pulse Rise Time (NS) (MHz)	Near End % (MHz)	Far End % (MHz)
10 ft. sample length	3	6	7.1
10 ft. sample length	5	5.4	7
10 ft. sample length	7	5	6.6

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
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