3M[™] Mini D Ribbon (MDR) Cable Assembly 14X26-SZLB-XXX-0LC

.050" High Speed Digital Data Transmission System - 26 Position

- Supports new Industrial CameraLink[™] in Automated Imaging Association for camera to frame grabber communications
- 11 shielded twin-ax pairs and four drain wires
- Entire cable bundle is shielded with foil and braid for additional signal protection
- Rugged MDR ribbon type contact •
- Rugged thumbscrew retention
- EMI shielded junction shell in either plastic or overmolded construction.
- **RoHS*** compliant •

Date Modified: April 12, 2007

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Physical

Connector Contact Plating

Wiping Area:	30µ" [0.76µm] Min. Gold
Shell Color:	Beige
Shell Material:	Overmold Option: Polyvinyl Chloride (PVC);
	Shell Kit Option: Polyester Elastomer
Cable Color:	Beige
Cable Jacket Material:	Polyvinyl Chloride (PVC)
Cable Flammability:	AWM VW-1

Electrical

Voltage Rating:	30 V
Current Rating:	1 A
Insulation Resistance:	$>1\times10^8\Omega$ at @100 V_{DC}
Withstanding Voltage:	350 V_{RMS} for 1 minute
Individually Shielded Twisted Pairs	
Characteristic Impedance:	$100\pm10\Omega$
Conductor Size:	28 AWG Stranded
Propogation Velocity:	1.25 ns/ft [4.1 ns/m]
Skew (within pair):	50 ps/meter maximum
Skew (channel skew per chipset):	50 ps/meter maximum

Environmental

Temperature Rating: -20°C to +75°C

*"RoHS Compliant 2005/95/EC" means that the product or part ("Product") does not contain any of the substances in excess of the maximum concentration values in EU Directive 2002/95/EC, as amended by Commission Decision 2005/618/EC, unless the substance is in an application that is exempt under EU RoHS. This information represents 3M's knowledge and belief, which may be based in whole or in part on information provided by third party suppliers to 3M.

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CameraLink is a trademark of the Automated Imaging Association.

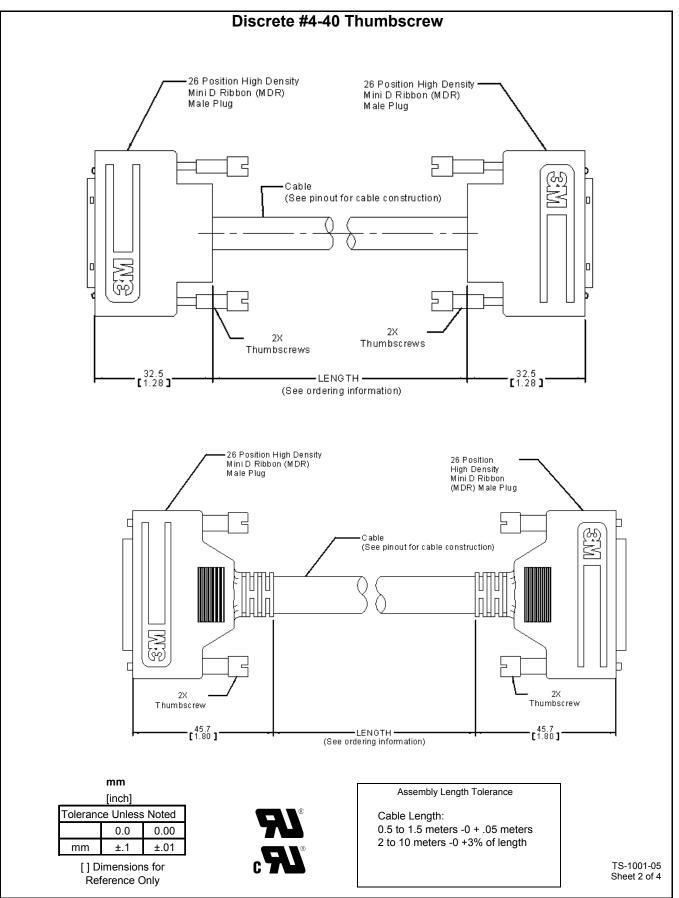
UL File No.: E86982

ЗМ Interconnect Solutions http://www.3M.com/interconnects/

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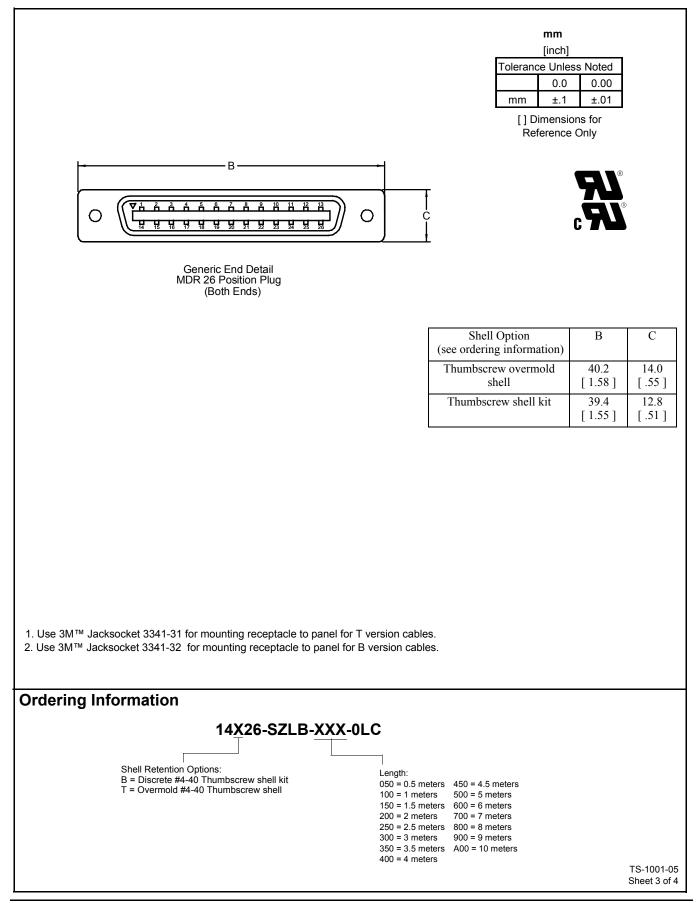
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		Cable Asse	mbly and Camera I	ink Pinouts.			
Medium and Full Configurations				Base Configuration			
Two Channel Link Chips			One Channel Link Chip + Camera Control + Serial Communication				
Camera Connector	Right Angle Frame Grabber	Channel Link Signal	Cable Name (Reference only)	Camera Connector	Right Angle Frame Grabber	Channel Link Signal	
1	1	inner shield	inner shield	1	1	inner shield	
14	14	inner shield	inner shield	14	14	inner shield	
2	25	Y0-	Pair 1-	2	25	X0-	
15	12	Y0+	Pair 1+	15	12	X0+	
3	24	Y1-	Pair 2-	3	24	X1-	
16	11	Y1+	Pair 2+	16	11	X1+	
4	23	Y2-	Pair 3-	4	23	X2-	
17	10	Y2+	Pair 3+	17	10	X2+	
5	22	Yclk-	Pair 4-	5	22	Xclk-	
18	9	Yclk+	Pair 4+	18	9	Xclk+	
6	21	Y3-	Pair 5-	6	21	Х3-	
19	8	Y3+	Pair 5+	19	8	X3+	
7	20	100 ohm	Pair 6+	7	20	SerTC+	
20	7	terminated	Pair 6-	20	7	SerTC-	
8	19	Z0-	Pair 7-	8	19	SerTFG-	
21	6	Z0+	Pair 7+	21	6	SerTFG+	
9	18	Z1-	Pair 8-	9	18	CC1-	
22	5	Z1+	Pair 8+	22	5	CC1+	
10	17	Z2-	Pair 9+	10	17	CC2+	
23	4	Z2+	Pair 9-	23	4	CC2-	
11	16	Zclk-	Pair 10-	11	16	CC3-	
24	3	Zclk+	Pair 10+	24	3	CC3+	
12	15	Z3-	Pair 11+	12	15	CC4+	
25	2	Z3+	Pair 11-	25	2	CC4-	
13	13	inner shield	inner shield	13	13	inner shield	
26	26	inner shield	inner shield	26	26	inner shield	

Notes:

- 1. All pairs are individually shielded with aluminum foil.
- 2. Pair shields are wrapped aluminum out and are in contact with four internal drains (logic ground).
- 3. Outer braid and foil (chassis ground) are isolated from inner drains (logic ground).

4. Cable assembly compatible with both Camera Link configurations.

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Minimum 10% Post-Consumer Fiber

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