

3M™ Mini D Ribbon (MDR) Cable Assembly

.050" Twisted Pair Digital Transmission System - 26 to 26 Position

4926-01XX



- .050" MDR differential signal transmission interconnect
- Flexible twisted pair round cable with overall braid/foil shield
- Ribbon-type contact for reliable repetitive plugging/unplugging
- Quick release latches
- RoHS* compliant

Date Modified: May 12, 2006

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Physical

Connector Contact Plating

Wiping Area: Wiping Area: 30 μ " [0.76 μ m] Min. Gold

Shell Material: Acrylonitrile Butadiene Styrene (ABC)

Cable Color: Beige

Cable Jacket Material: Polyvinyl Chloride (PVC)

Flammability: AWM VW-1

Shell Color: Beige

Electrical

Voltage Rating: 30 V

Current Rating: 1 A

Insulation Resistance: $> 5 \times 10^8 \Omega$ at 500 Vdc

Withstanding Voltage: 500 Vrms for 1 minute

Twisted Pairs

Characteristic Impedance: 100 Ω

Conductor: 28 AWG Stranded

Environmental

Temperature Rating: -20°C to +75°C

Flammability Rating: N.E.C. 725, CL2

*RoHS = Directive 2002/95/EC, Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment
"RoHS compliant" means that the product or part does not contain any of the following substances in excess of the following maximum concentration values in any homogeneous material, unless the substance is in an application that is exempt under RoHS: (a) 0.1% (by weight) for lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers; or (b) 0.01% (by weight) for cadmium. Unless otherwise stated by 3M in writing, this information represents 3M's knowledge and belief based upon information provided by third party suppliers to 3M.

UL File No.: E86982



Interconnect Solutions

<http://www.3M.com/interconnects/>

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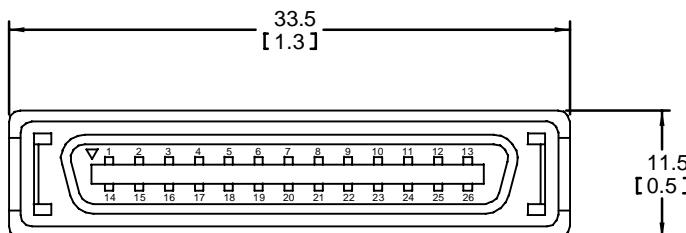
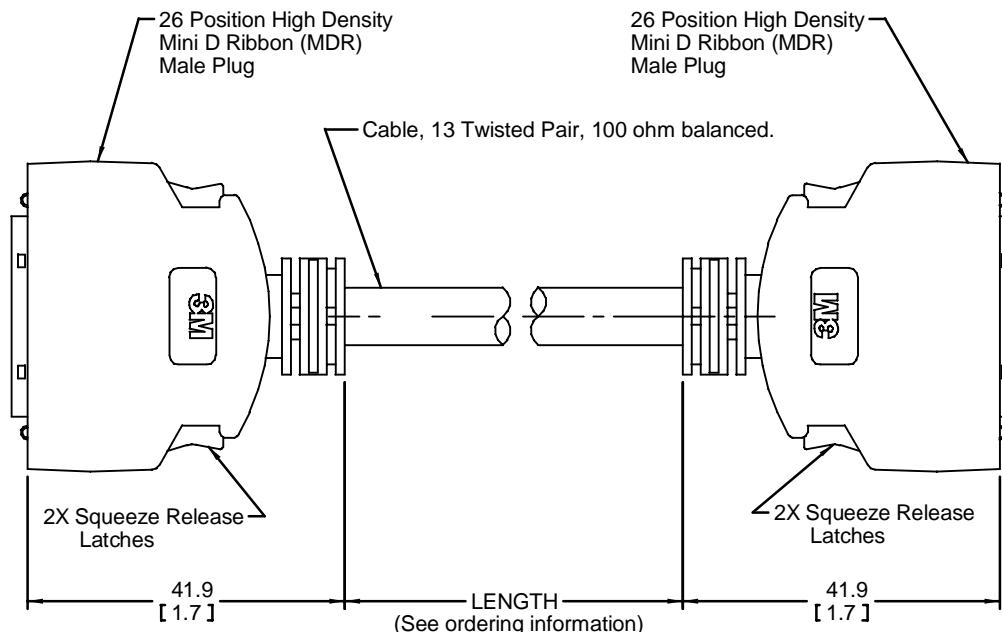
For technical, sales or ordering information call

800-225-5373

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MDR 26 Position Plug
(Both Ends)

mm
[Inch]

Tolerance Unless Noted		
	0.0	0.00
mm	± .1	± .10

[] Dimensions for Reference only



Assembly Length Tolerance

Cable Length:
0.5 to 1.5 meters -0 + .05 meters
2 to 10 meters -0 +3% of length

Ordering Information

4926-01XX

Length
01 = 1 meter
02 = 2 meter
03 = 3 meter
05 = 5 meter
24 = 2 ft. (Special order)

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Note: Call 3M for details on custom polarizing keys for receptacle and plugs.

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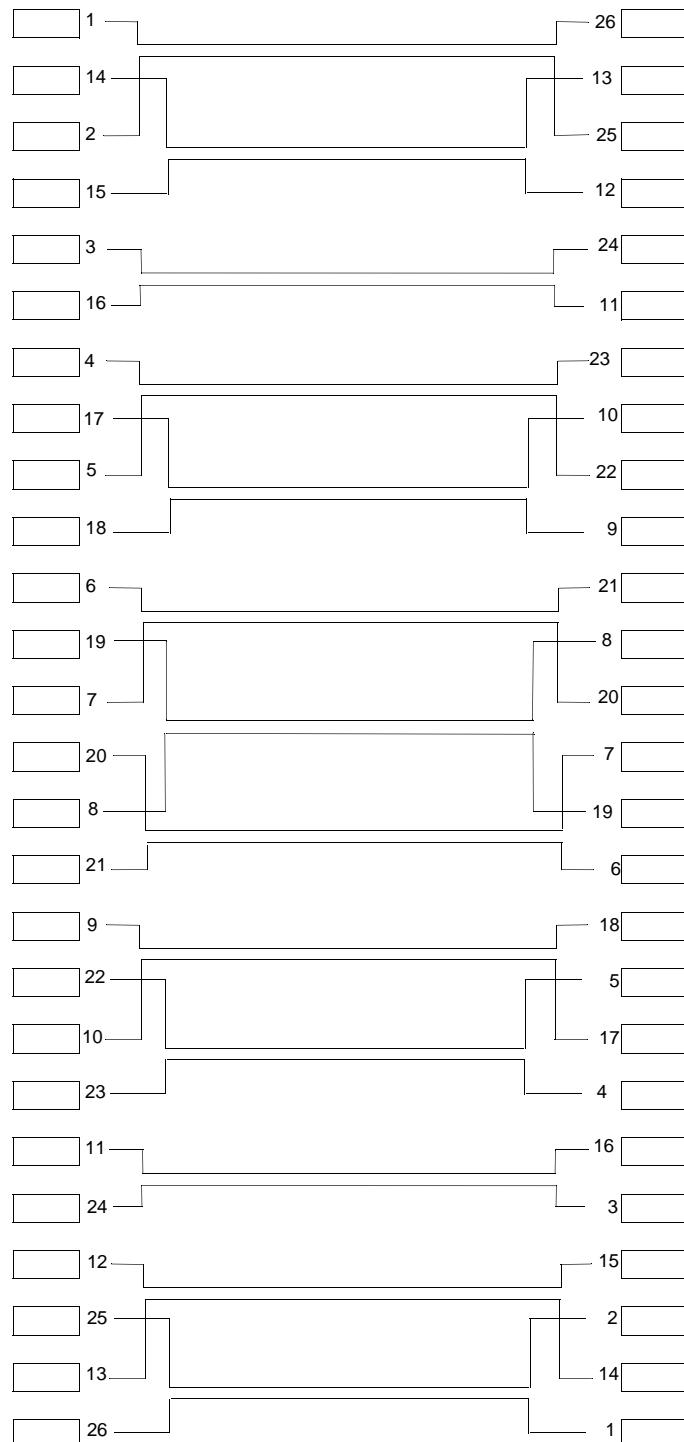
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MDR 26 Position, Pinout P26-7 / F26-7, Version 3644B/26 Cable (Note: Cable assembly is reversable)

Transmitter (Host) 3M MDR SMT Receptacle	<u>Cable Assembly</u>	Receiver (Monitor) 3M MDR SMT Receptacle
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Symbols Key:



100 ohm balanced
twisted pair

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3M Electronics

6801 River Place Blvd.
Austin, TX 78726-9000
800/225-5373
www.3M.com/electronics

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Minimum 10%
Post-Consumer Fiber

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