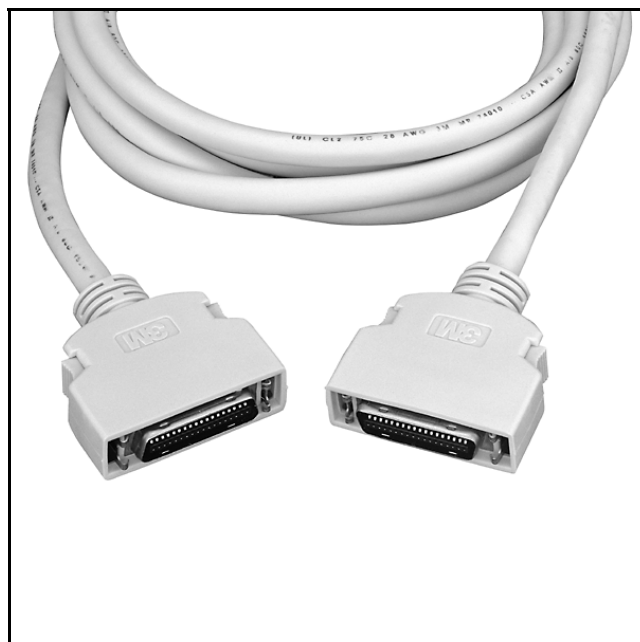


# 3M™ Mini D Ribbon (MDR) Cable Assembly

.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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Sheet 1 of 3

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## Physical

### Connector Contact Plating

Wiping Area: Wiping Area: 30  $\mu$ " [ 0.76  $\mu$ 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 $\Omega$   
Conductor: 28 AWG Stranded

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## Environmental

Temperature Rating: -20°C to +75°C  
Flammability Rating: N.E.C. 725, CL2

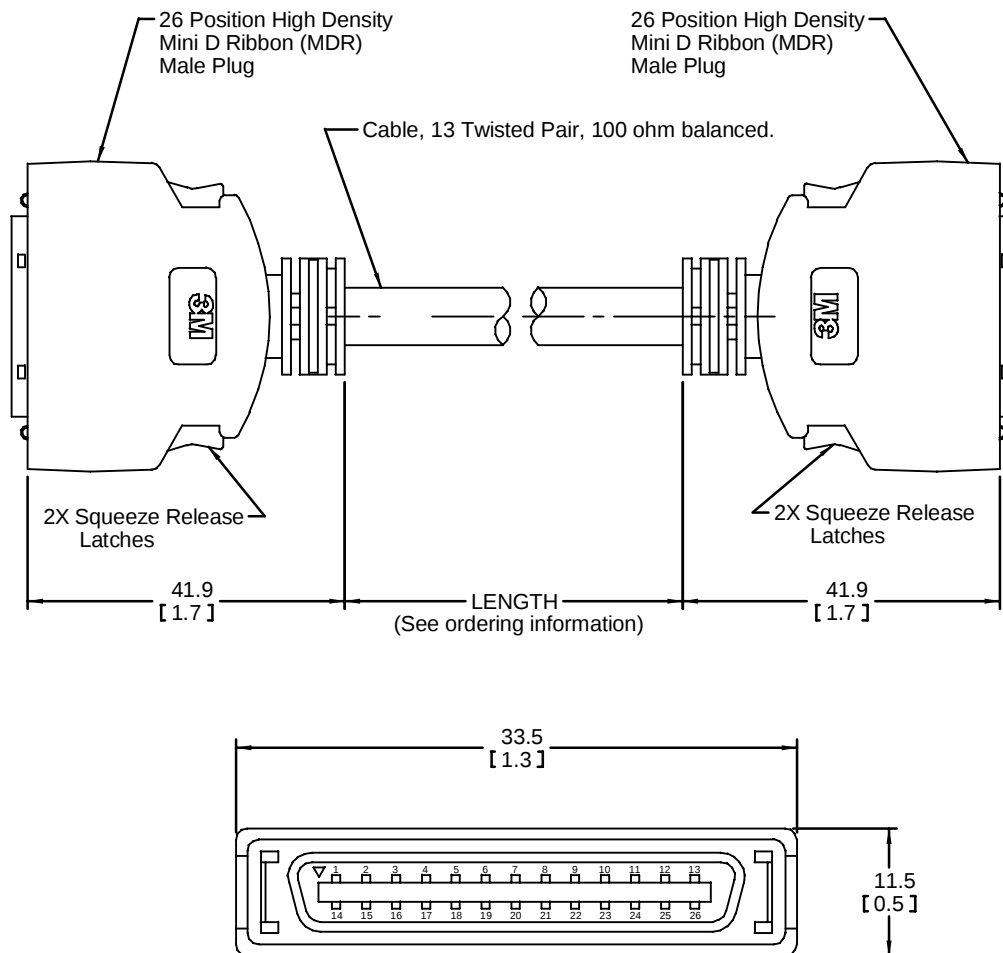
\*RoHS = Directive 2002/95/EC, Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment  
"RoHS compliant" means that the product or part does not contain any of the following substances in excess of the following maximum concentration values in any homogeneous material, 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

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4926-01XX



mm  
[Inch]

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

[ ] Dimensions for Reference only

MDR 26 Position Plug  
( Both Ends )



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)

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

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# 3M™ Mini D Ribbon (MDR) Cable Assembly

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

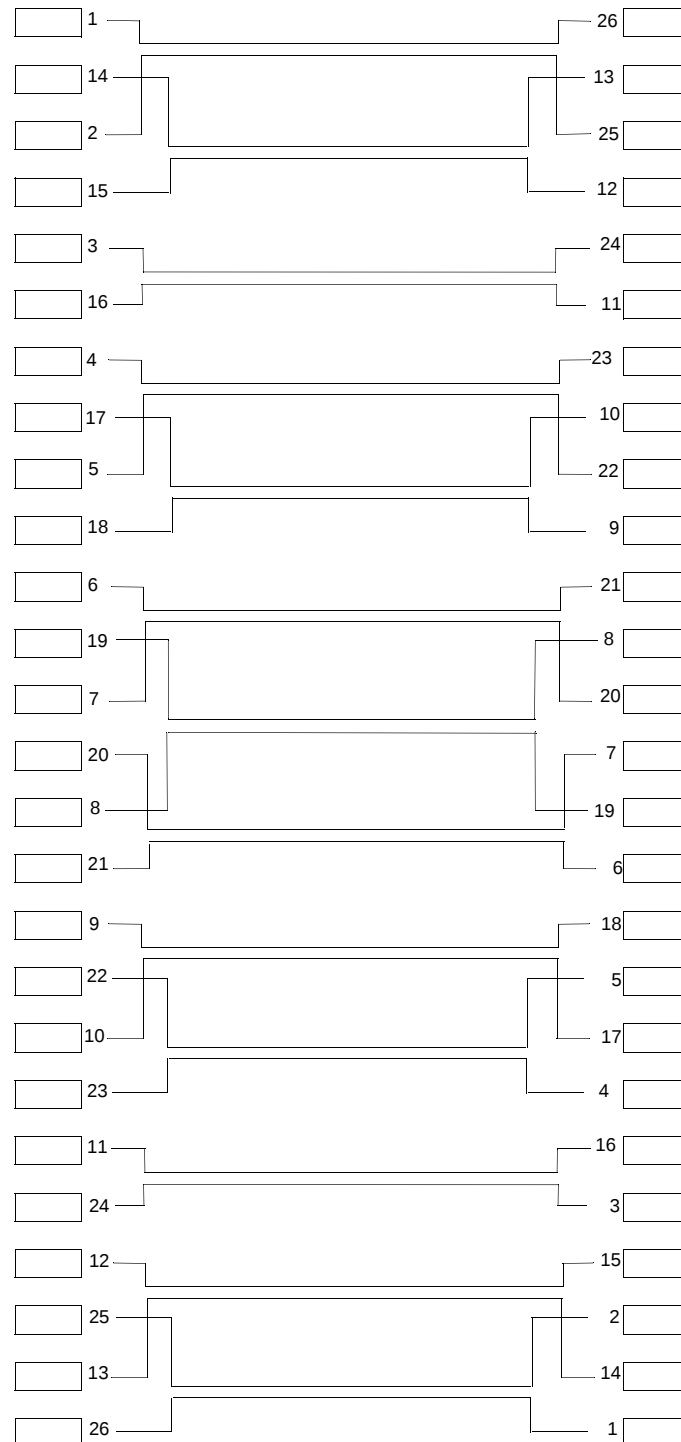
4926-01XX

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

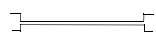
Transmitter (Host)  
3M MDR SMT Receptacle

Cable Assembly

Receiver (Monitor)  
3M MDR SMT Receptacle



Symbols Key:

  
100 ohm balanced  
twisted pair

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Sheet 3 of 3

## Important Notice

All statements, technical information, and recommendations related to 3M's products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use. Any statements related to the product which are not contained in 3M's current publications, or any contrary statements contained on your purchase order shall have no force or effect unless expressly agreed upon, in writing, by an authorized officer of 3M.



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Minimum 10%  
Post-Consumer Fiber

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