

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

.050" High Speed Digital Data Transmission System - 26 to 26 Position 14526-EZ5B-XXX-02C



- Eight shielded differential pairs
- Each differential twin-ax pair has a foil shield and drain wire
- Entire cable bundle is shielded with foil and braid for additional signal protection
- Rugged MDR Ribbon type contact
- Quick release latches
- RoHS\* compliant

Date Modified: October 19, 2005

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## Physical

### Connector Contact Plating

Wiping Area: 30  $\mu$ " [ 0.76  $\mu$ m ] Min. Gold

### Shell

Color: Parchment/Beige

Material: Acrylonitrile Butadiene Styrene (ABS)

### Cable

Color: Parchment/Beige

Jacket Material: Polyvinyl Chloride (PVC)

Flammability: AWM VW-1

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## Electrical

**Voltage Rating:** 30 V

**Current Rating:** 1 A

**Insulation Resistance:**  $> 1 \times 10^8 \Omega$  at 100 VDC

**Withstanding Voltage:** 350 Vrms for 1 minute

### Individually Shielded Twisted Pairs

**Characteristic Impedance:**  $100 \pm 10 \Omega$

**Conductor Size:** 30 AWG Stranded

**Propagation Velocity:** 1.25 ns/ft [4.1 ns/m ]

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## Environmental

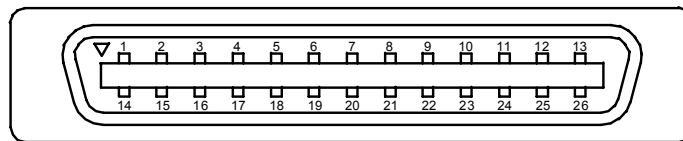
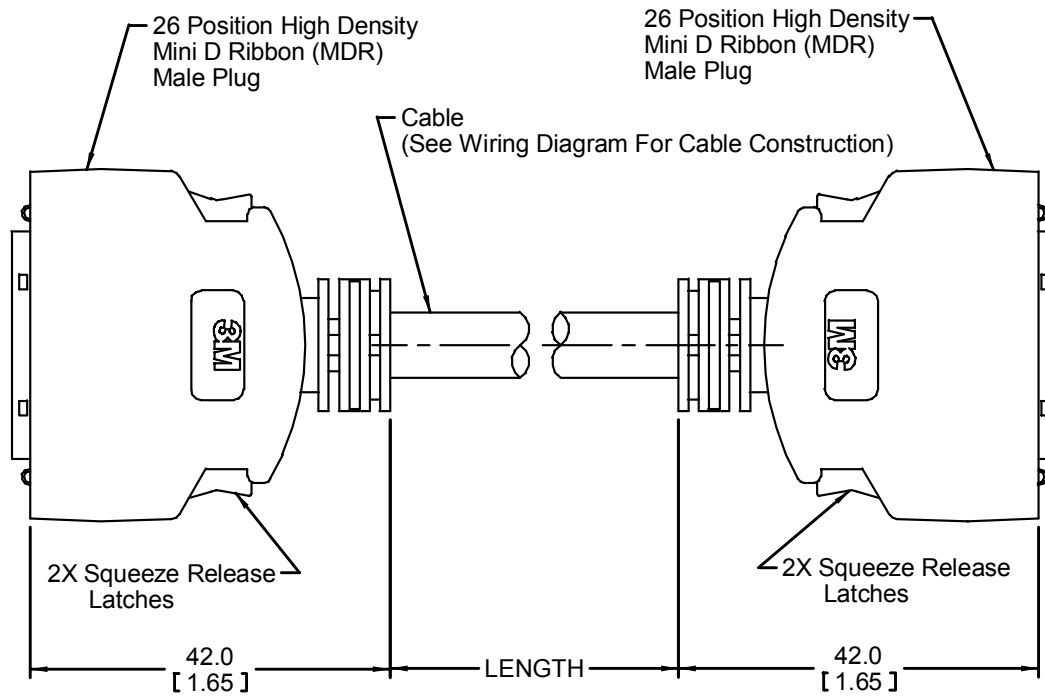
**Temperature Rating:** -20°C to +75°C

"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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MDR 26 Position Plug  
Both Ends

mm  
[Inch]

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

[ ] Dimensions for Reference only



## Ordering Information

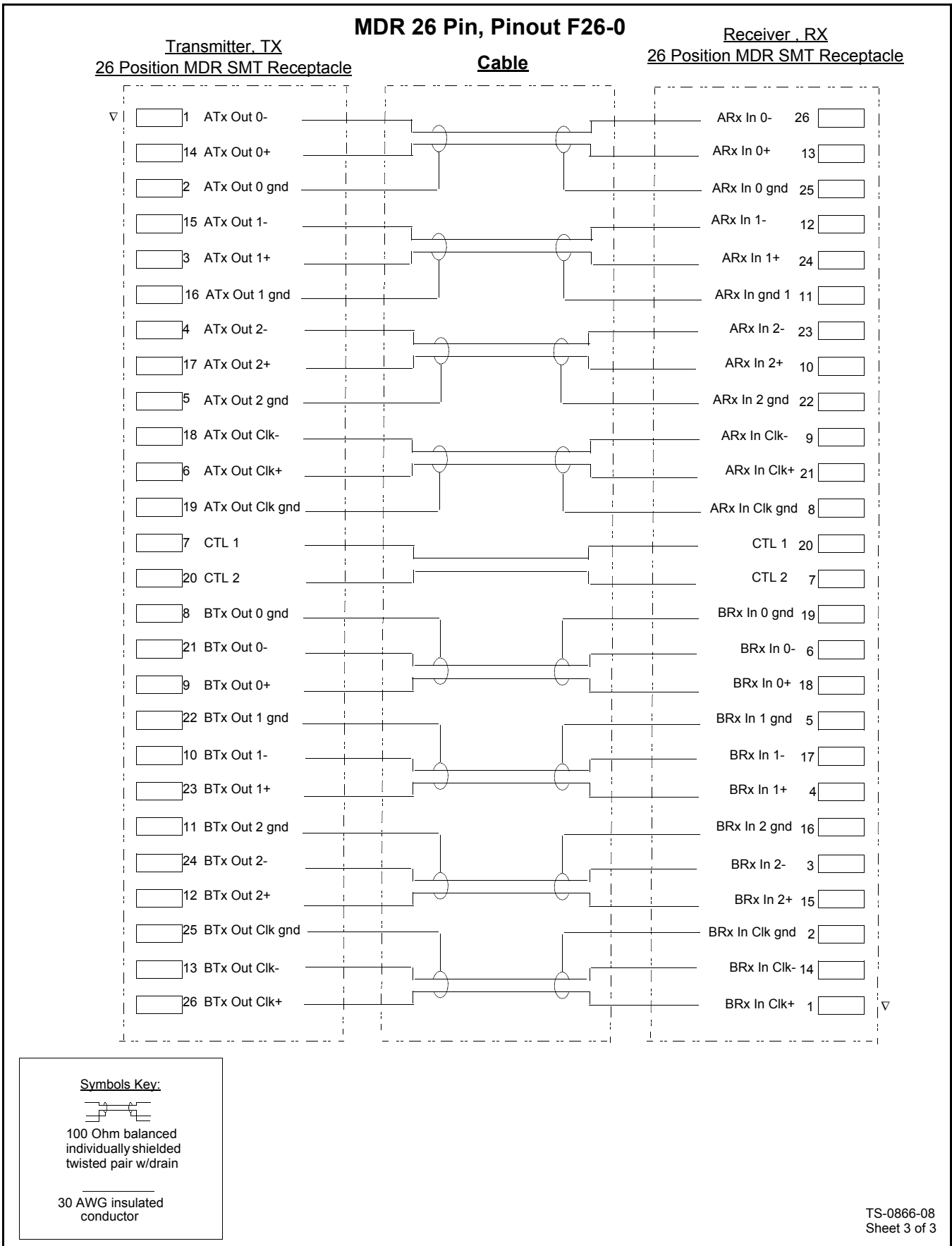
**14526-EZ5B-XXX-02C**

Length:  
050 = .5 meters  
100 = 1 meter  
200 = 2 meters  
300 = 3 meters  
500 = 5 meters

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# 3M

## Electronics

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Minimum 10%  
Post-Consumer Fiber

Printed in USA.

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