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

Physical

Connector Contact Plating

Wiping Area: 30 \( \mu \) [0.76 \( \mu \text{m} \)] Min. Gold

Shell
- Color: Parchment/Beige
- Material: Acrylonitrile Butadiene Styrene (ABS)

Cable
- Color: Parchment/Beige
- Material: Polyvinyl Chloride (PVC)
- Flammability: AWM VW-1

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 ± 10\( \Omega \)
- Conductor Size: 30 AWG Stranded
- Propagation Velocity: 1.25 ns/ft [4.1 ns/m]

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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3M™ Mini D Ribbon (MDR) Cable Assembly
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26 Position High Density Mini D Ribbon (MDR) Male Plug

26 Position High Density Mini D Ribbon (MDR) Male Plug

2X Squeeze Release Latches

2X Squeeze Release Latches

LENGTH

-md-

[ ] Dimensions for Reference only

mm

Tolerance Unless Noted

<table>
<thead>
<tr>
<th>Inch</th>
<th>mm</th>
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<tbody>
<tr>
<td>0.0</td>
<td>0.0</td>
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<tr>
<td>±.1</td>
<td>±.10</td>
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MDR 26 Position Plug
Both Ends

Ordering Information

14526-EZ5B-XXX-02C

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

3M is a trademark of 3M Company.
For technical, sales or ordering information call
800-225-5373
3M™ Mini D Ribbon (MDR) Cable Assembly
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Symbols Key:

100 Ohm balanced individually shielded twisted pair w/drain

30 AWG insulated conductor

Transmitter, TX
26 Position MDR SMT Receptacle

Receiver, RX
26 Position MDR SMT Receptacle

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