**Applications**

Supports all category 5 applications including Ethernet 100BASE-TX, 100BASE-VG and 155 ATM. Particularly suited for high bandwidth applications such as 622 ATM, Wideband, and Ethernet 1000BASE-T.

**Construction Details:**

- **Conductor:** 24 AWG Solid Bare Copper
- **Number of Pairs:** 4 Pair
- **Flooding Compound:** Waterblocking Gel
- **Messenger:** 0.045 in. Steel
- **Construction Type:** Siamese
- **Jacket Material:** Polyethylene
- **Nominal Jacket Thickness:** 0.022 in.
- **Surface Print:** Per Customer Requirement

**Insulation Color Code:**

<table>
<thead>
<tr>
<th>Pair</th>
<th>Color Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Blue with White</td>
</tr>
<tr>
<td>2</td>
<td>Orange with White</td>
</tr>
<tr>
<td>3</td>
<td>Green with White</td>
</tr>
<tr>
<td>4</td>
<td>Brown with White</td>
</tr>
</tbody>
</table>

**Electrical Parameters:**

- Mutual Capacitance: 14 pF/ft nominal
- Capacitance Unbalance: 330 pF/ft maximum
- Velocity of Propagation: 70%
- Max. Conductor D.C.R.: 28.6 ohm/1000 feet
- Max. DCR Unbalance: 5%
- Max. Delay Skew: 45.0ns/100m
- Characteristic Impedance: from 0.772 - 100 MHz 100 ± 15%
- from 101 - 200 MHz 100 ± 22%
- from 201 - 350 MHz 100 ± 32%

**Technical Details**

- **Temperature Rating**
  - Installation: -20°C to 50°C
  - Operation: -20°C to 60°C
- **Nominal Overall Diameter:** Minor over Cat5e: 0.225 in.
  Major: 0.338 in.
- **Jacket Color:** Black
- **Nominal Weight:** 29 lbs/1,000 feet

**Standards**

- ANSI/TIA/EIA 568C.2 Category 5e

**Codes & Listings**

- Non-Listed

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**Made in the USA**

All warranty information can be viewed at WWW.REMEE.COM.

This product is RoHS compliant to directive 2002/95/EC.
Part No.: 5AEFLDMESS

**Electrical Characteristics:**

<table>
<thead>
<tr>
<th>Frequency MHz</th>
<th>SRL dB</th>
<th>Return Loss dB</th>
<th>Attenuation dB/100m</th>
<th>NEXT dB</th>
<th>PS-NEXT dB</th>
<th>ELFEXT dB</th>
<th>PS-ELFEXT dB</th>
<th>ACR dB</th>
<th>PS-ACR dB</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>23.0</td>
<td>20.0</td>
<td>2.0</td>
<td>70.3</td>
<td>68.3</td>
<td>63.8</td>
<td>60.8</td>
<td>68.3</td>
<td>66.3</td>
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<tr>
<td>4</td>
<td>23.0</td>
<td>20.3</td>
<td>4.0</td>
<td>61.3</td>
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<td>51.7</td>
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<td>30.2</td>
<td>12.9</td>
<td>9.9</td>
<td>- - -</td>
<td>- - -</td>
</tr>
</tbody>
</table>

**Preparation For Shipment**

The cable shall be packaged to preclude the inducement of damage due to handling and transportation, and shall be in accordance with the best commercial practices available. Shipping containers shall be constructed as to eliminate any possible damage to the cables due to shipment.

**Note:** While Remee Products Corp. has made every reasonable effort to ensure the accuracy of the information in this document, Remee Products Corp. does not guarantee that it is error-free, nor does Remee Products Corp. make any other representation, warranty, or guarantee that the information is accurate, correct, reliable or current. Remee Products Corp. reserves the right to make any adjustments to the information contained herein at any time without notice. Remee Products Corp. expressly disclaims all implied warranties regarding the information contained herein, including but not limited to, any implied warranties of merchantability or fitness for particular purpose. The dimensions in this document are for reference purposes only and are subject to change without notice.

Your signature constitutes that you have read and agreed to this specification sheet and upon confirmation of your order; this item may be non-cancelable and non-returnable.

Signature: _________________________________

Company: _________________________________

Date: _________________________________

All warranty information can be viewed at WWW.REMEE.COM.

This product is RoHS compliant to directive 2002/95/EC.

1751 State RTE. 17A STE #1 Florida, NY 10921

Customer Service: 800-431-3864 Fax: 845-651-4160 Website: www.remee.com

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