# EtherNet/IP Double-Ended Cord Sets

**CAT5e, High-Flex, 2 Twisted Bonded Pair, Stranded/Shielded, 24 AWG, TPE Jacket**

<table>
<thead>
<tr>
<th>Type</th>
<th>0985 YM57530 100</th>
<th>0985 YM57530 103</th>
<th>0985 YM57530 104</th>
<th>0985 YM57530 500</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product description</td>
<td>EtherNet/IP, double-ended cord set, M12 male to male straight, 4-pin, D-coding, 24 AWG TPE cable, stranded/shielded, 2 twisted bonded pairs with teal jacket.</td>
<td>EtherNet/IP, double-ended cord set, M12 male to RJ45 male, 4-pin, D-coding, 24 AWG TPE cable, stranded/shielded, 2 twisted bonded pairs with teal jacket.</td>
<td>EtherNet/IP, double-ended cord set, M12 female receptacle to RJ45 male, 4-pin, D-coding, 24 AWG TPE cable, stranded/shielded, 2 twisted bonded pairs with teal jacket.</td>
<td>EtherNet/IP, double-ended cord set, RJ45 male to RJ45 male, 4-pin, 24 AWG TPE cable, stranded/shielded, 2 twisted bonded pairs with teal jacket.</td>
</tr>
</tbody>
</table>

**Technical illustration**

**Color Code**

<table>
<thead>
<tr>
<th>M12 Color</th>
<th>RJ45 Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 White Orange</td>
<td>1 White Orange</td>
</tr>
<tr>
<td>2 White Green</td>
<td>3 White Green</td>
</tr>
<tr>
<td>3 Orange</td>
<td>2 Orange</td>
</tr>
<tr>
<td>4 Green</td>
<td>6 Green</td>
</tr>
</tbody>
</table>

**Face views**

<table>
<thead>
<tr>
<th>M12 to M12</th>
<th>M12 to RJ45</th>
<th>M12 to RJ45</th>
<th>RJ45 to RJ45</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Face view M12 to M12" /></td>
<td><img src="image2" alt="Face view M12 to RJ45" /></td>
<td><img src="image3" alt="Face view M12 to RJ45" /></td>
<td><img src="image4" alt="Face view RJ45 to RJ45" /></td>
</tr>
</tbody>
</table>

**Part number**

<table>
<thead>
<tr>
<th>0985 YM57530 100/...M</th>
<th>0985 YM57530 103/...M</th>
<th>0985 YM57530 104/...M</th>
<th>0985 YM57530 500/...M</th>
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</table>

**Standard cable lengths**

<table>
<thead>
<tr>
<th>1 M / 2 M / 5 M / 10 M / 15 M / 20 M / 30 M</th>
<th>0.15M / 0.25M / 1 M / 2 M / 3 M / 5 M / 10 M / 15 M / 20 M</th>
<th>0.25M / 0.5 M / 1 M / 2 M / 5 M / 10 M / 15 M / 20 M</th>
<th>0.5 M / 1 M / 2 M / 3 M / 5 M / 10 M / 15 M / 20 M</th>
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<tr>
<td>Degree of protection</td>
<td>IP68</td>
<td>IP67 / IP20</td>
<td>IP67 / IP20</td>
<td>IP20</td>
</tr>
<tr>
<td>Operating temperature range</td>
<td>Install = -25°C to +75°C</td>
<td>Operating = -40°C to +75°C</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Mechanical

**M12**
- Molded body: Polyurethane, black
- Coupling nut: Brass, nickel plated
- Contacts: Brass, gold plated
- Insert: Polyurethane, black

**M12 Receptacle**
- Housing: Brass, nickel plated
- Insert: PUR, black
- Contacts: Brass, gold plated
- RJ45: Polyurethane, black

**Plug**
- Polycarbonate

**Contacts**
- Phosphor Bronze, gold plated

**Boot**
- Elastomer Polyolefin

### Electrical

- **Current rating**:
  - 4 A
  - 1.5 A
- **Voltage rating**: 250 V
  - For “103”, “104” and “500” product the voltage rating is 30VAC/42VDC

### Cable Specifications

- **Voltage Rating (Cable Only)**: 600V according to UL AWM 20626
- **Cable jacket**: TPE
- **Color**: Teal
- **Overall diameter**: .300” (10.16mm)
- **Conductor**: 24 AWG, stranded
- **Number of pairs**: 2
- **Shield**: Tinned Copper braid and Aluminum/Polyester foil

**Performance**
- CAT5e, Belden bonded twisted pair cable

### Characteristics

- NOTE: Vibration & Oil Resistant applies to M12 side only.
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### Recommended panel cut out

![Diagram of recommended panel cut out]

The application of these products in harsh environments should always be checked before use. Specifications subject to alteration.