**RO-FLEX CMF**

Robot Cable. Especially Purpose for Auto Mobile Industry. Communication Circuits cable NEC Article 800.

**North American Market**

### Cable Specification

- **Cable Type:** RO-FLEX CMF
- **Nominal cross sectional area:** 0.75mm²
- **Conductor Diameter:** 1.3mm
- **No. of Conductor Pairs:** 1c
- **Approx. Overall Diameter:** 6.3mm
- **Approx. Mass:** 0.3kg/km
- **Conductor Resistance:** 10.0Ω/km
- **Heat Resistance:** 75°C
- **Insulation Diameter:** 2.3mm
- **Capacities:** 7.98mF

**Characteristics**

- UL, NFP, EAC, CE with certificates.
- UL, NFP, EAC and CE approvals.
- Conformity to Directive 2014/35/EU (Low voltage directive).
- Conformity to RoHs directive 2002/95/EC.
- RoHS Directive 10 substances.

**Application**

1. Constant movement
2. Signal line
3. Communication line for tray cable
4. Power-limited circuits (Class2)

### Table

<table>
<thead>
<tr>
<th>Part number</th>
<th>Item</th>
<th>Diameter of Conductor (mm²)</th>
<th>Approx. Overall Diameter (mm)</th>
<th>Approx. Mass (kg/km)</th>
<th>Conductor Resistance (Ω/km)</th>
<th>Heat Resistance</th>
<th>Insulation Diameter (mm)</th>
<th>Capacities (mF)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7650 0007502</td>
<td>0.75mm²/18AWG</td>
<td>6.3</td>
<td>55</td>
<td>21.8</td>
<td>8.8</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7650 0007503</td>
<td>0.75mm²/18AWG</td>
<td>6.7</td>
<td>65</td>
<td>21.8</td>
<td>7.7</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7650 0007504</td>
<td>0.75mm²/18AWG</td>
<td>7</td>
<td>84</td>
<td>21.8</td>
<td>7.3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7660 0007508</td>
<td>0.75mm²/18AWG</td>
<td>10</td>
<td>227</td>
<td>21.8</td>
<td>6.1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7660 0007511</td>
<td>0.75mm²/18AWG</td>
<td>12</td>
<td>262</td>
<td>21.8</td>
<td>5.9</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7660 0007513</td>
<td>0.75mm²/18AWG</td>
<td>12</td>
<td>197</td>
<td>21.8</td>
<td>5.0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7660 0007521</td>
<td>0.75mm²/18AWG</td>
<td>20</td>
<td>400</td>
<td>21.8</td>
<td>4.4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7661 0007525</td>
<td>0.75mm²/18AWG</td>
<td>12</td>
<td>314</td>
<td>21.8</td>
<td>3.3</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Note:**

- The cable is certified to UL, c-UL, NFPA, EAC and CE approvals.
- Conformity to Directive 2014/35/EU (Low voltage directive).
- Conformity to RoHs directive 2002/95/EC.
- Conformity to Directive 2011/65/EU.
- Conformity to RoHs directive 2002/95/EC (Low voltage directive).

**Special characteristics**

- UL, NFP, EAC, CE with certificates.
- UL, NFP, EAC and CE approvals.
- Conformity to Directive 2014/35/EU (Low voltage directive).
- Conformity to RoHs directive 2002/95/EC.
- RoHs Directive 10 substances.

**Application**

- UL, NFP, EAC, CE with certificates.
- UL, NFP, EAC and CE approvals.
- Conformity to Directive 2014/35/EU (Low voltage directive).
- Conformity to RoHs directive 2002/95/EC.
- RoHs Directive 10 substances.

**Special characteristics**

- UL, NFP, EAC, CE with certificates.
- UL, NFP, EAC and CE approvals.
- Conformity to Directive 2014/35/EU (Low voltage directive).
- Conformity to RoHs directive 2002/95/EC.
- RoHs Directive 10 substances.

**Application**

- UL, NFP, EAC, CE with certificates.
- UL, NFP, EAC and CE approvals.
- Conformity to Directive 2014/35/EU (Low voltage directive).
- Conformity to RoHs directive 2002/95/EC.
- RoHs Directive 10 substances.

**Special characteristics**

- UL, NFP, EAC, CE with certificates.
- UL, NFP, EAC and CE approvals.
- Conformity to Directive 2014/35/EU (Low voltage directive).
- Conformity to RoHs directive 2002/95/EC.
- RoHs Directive 10 substances.