Ferrule with Expanded Sleeves

**Specifications**

Ferrules with expanded sleeves shall be designed with a seamless tin plated copper barrel and be suitable for wires with thick insulation to provide consistent, reliable terminations in terminal block and panel building applications. Ferrules with expanded sleeves shall meet UL 486F, CSA-C22.2 No. 291-14 and DIN 46228 requirements for color and single wire containment. Ferrules with expanded sleeves shall be available in a range of wire sizes. Ferrules with expanded sleeves shall be installed with controlled cycle tools for quality crimps.

**Technical Information**

*Industry standards:* Meets UL 486F, CSA-C22.2 No. 291-14 and DIN 46228 standards*

*Fiber compatibility:* 221°F (105°C)

*UL 486F for 1/0-20AWG

**Key Features and Benefits**

- **Expanded polypropylene sleeve:** Provides a wider inside diameter to allow ferrules to fit easily over thick insulated wire, ideal for use in the U.S. and for use with flexible wire.

- **Funnel wire entry:** Forms a guide for easy insertion of wire strands into the crimp barrel to enhance the installation process and improve productivity.

- **Colored sleeves:** Allows visual color designation of wire size to aid in identification and quality inspection.

- **Seamless crimp barrel design:** Provides a consistent and reliable installation.

- **Meets UL 486F, CSA-C22.2 No. 291-14 and DIN 46228 standards:** Ensures ferrules meet both dimensional and performance requirements for improved safety and product compatibility.

*UL 486F for 1/0-20AWG

**Applications**

Ferrules with expanded sleeves are designed to ensure superior performance in panel building and terminal block applications requiring the use of wires with thick insulation. Wires with thick insulation include wires with flexible insulation. Panduit ferrules provide a high quality termination solution that contributes to the overall reliability and productivity of the physical infrastructure.
ordering information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Wire Size</th>
<th>Color Code</th>
<th>Max. Wire Insul. Dia</th>
<th>Length</th>
<th>Pin Length</th>
<th>Inside Diameter</th>
<th>Wire Strip Length</th>
<th>Tool</th>
</tr>
</thead>
<tbody>
<tr>
<td>FSDX75-8-D</td>
<td>20 AWG</td>
<td>White</td>
<td>0.12 3.0 0.53 13.5</td>
<td>0.31 8.0</td>
<td>0.04 1.1 15/32</td>
<td>11.9</td>
<td>CT-1002, CT-1003, CT-1123</td>
<td>500</td>
</tr>
<tr>
<td>FSDX76-8-D</td>
<td>20 AWG</td>
<td>Gray</td>
<td>0.14 3.4 0.55 14.0</td>
<td>0.31 8.0</td>
<td>0.05 1.3 15/32</td>
<td>11.9</td>
<td>CT-1002, CT-1003, CT-1123</td>
<td>500</td>
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<tr>
<td>FSDX77-8-D</td>
<td>18 AWG</td>
<td>Red</td>
<td>0.14 3.4 0.57 14.5</td>
<td>0.31 8.0</td>
<td>0.06 1.5 15/32</td>
<td>11.9</td>
<td>CT-1002, CT-1123</td>
<td>500</td>
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<tr>
<td>FSDX78-8-D</td>
<td>16 AWG</td>
<td>Black</td>
<td>0.15 3.8 0.57 14.5</td>
<td>0.31 8.0</td>
<td>0.07 1.8 15/32</td>
<td>11.9</td>
<td>CT-1002, CT-1123</td>
<td>500</td>
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<tr>
<td>FSDX84-12-C</td>
<td>6 AWG</td>
<td>Blue</td>
<td>0.37 9.5 0.91 23.0</td>
<td>0.47 12.0</td>
<td>0.24 6.0 7/8</td>
<td>22.2</td>
<td>CT-1004, CT-1104</td>
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</tbody>
</table>

recommended installation tools

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Part Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contour Crimp™ Controlled Cycle Hand Operated Crimping Tool</td>
<td></td>
</tr>
<tr>
<td>CT-1002</td>
<td>Controlled cycle crimp tool with trapezoid profile for #26 – 10 AWG (0.14 – 6.0mm²) insulated and non-insulated single wire ferrules and #22 – 12 AWG (0.50 – 4.0mm²) insulated twin wire ferrules.</td>
</tr>
<tr>
<td>CT-1004</td>
<td>Controlled cycle crimp tool with trapezoid profile for #8 – 6 AWG (10.0 – 16.0mm²) insulated and non-insulated ferrules and #10 AWG (6.0mm²) insulated twin wire ferrules.</td>
</tr>
<tr>
<td>CT-1104</td>
<td>Controlled cycle crimp tool with square profile for #8 – 6 AWG (10.0 – 16.0mm²) insulated and non-insulated ferrules and #10 AWG (6.0mm²) insulated twin wire ferrules.</td>
</tr>
<tr>
<td>CT-1123</td>
<td>Controlled cycle crimp tool with square profile for #26 – 8 AWG (0.14 – 10.0mm²) insulated and non-insulated ferrules and #22 – 12 AWG (0.50 – 4.0mm²) insulated twin wire ferrules.</td>
</tr>
</tbody>
</table>

other control panel products available

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Innovative wire management solution that maximizes space utilization within industrial enclosures

Cable Ties and Mounts
Reliably secure wiring to panel where holes cannot be drilled

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