SHINAGAWA SHOKO
INSULATION SLEEVE FOR TERMINAL

● One-touch sleeve
  - OS/OF series ........................................ 10 • 11
  - PS/PF series ........................................ 12
  - FPS/FW series ....................................... 13
  - HF-250U .............................................. 14

● Crimp cover®
  - CPS series ........................................... 14
  - CPS-250U/CPF-250U .................................. 15

● Connector sleeve
  - DS/DS-P series ...................................... 16
  - DF series ............................................ 17
**One touch sleeve**  
**OS/OF series**

- **Insulation sleeve for straight and flag-type terminal.**
- **Can be attached after the terminal slotted onto the tab.**
- **Stay firmly onto the tab with shoulder owing to the slit aside of the sleeve.**
- **Prevent terminal from the foreign object coming through the cable entry.**

**Feature**

**Material**
- Nylon 6  UL94V-2
- Nylon 66  UL94V-0

**Standard color**
- Nylon 6:  Natural
- Nylon 66:  White

(Red and blue colors are also stocked for OS-110, OS-187, OS-250, OF-187 and OF-250)

**UL recognized product**  E55167
- Cat. No. 50B, 51, 51A, 52, 52A, 60, 60A, 61, 61A, 62, 70  Rating: 80℃, 600V

**CSA recognized product**  LR83372
- Cat. No. 50B, 51, 51A, 52, 52A, 60, 60A, 61, 61A, 70  Rating: 90℃, 300V
For straight terminal (OS series)

- Close the end of the sleeve as shown in the photos.

**Part No.**
- UL94V-2
- UL94V-0

<table>
<thead>
<tr>
<th>Applicable terminal</th>
<th>Dimensions (mm)</th>
<th>Cat.No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>OS-110</td>
<td>OS-110U</td>
<td>Straight 110 series</td>
</tr>
<tr>
<td>OS-187</td>
<td>OS-187U</td>
<td>Straight 187 series</td>
</tr>
<tr>
<td>OS-205</td>
<td>OS-205U</td>
<td>Straight 205 series</td>
</tr>
<tr>
<td>OS-250</td>
<td>OS-250U</td>
<td>Straight 250 series</td>
</tr>
</tbody>
</table>

*Packing unit: 500 pieces*

For flag-type terminal (OF series)

- Close the end of the sleeve as shown in the photos.

**Part No.**
- UL94V-2
- UL94V-0

<table>
<thead>
<tr>
<th>Applicable terminal</th>
<th>Dimensions (mm)</th>
<th>Cat.No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>OS-110</td>
<td>OS-110U</td>
<td>Straight 110 series</td>
</tr>
<tr>
<td>OS-187</td>
<td>OS-187U</td>
<td>Straight 187 series</td>
</tr>
<tr>
<td>OS-205</td>
<td>OS-205U</td>
<td>Straight 205 series</td>
</tr>
<tr>
<td>OS-250</td>
<td>OS-250U</td>
<td>Straight 250 series</td>
</tr>
</tbody>
</table>

*Packing unit: 500 pieces

*For refrigerator, air-compressor of air-conditioner etc, and sealed terminal.*
One touch sleeve

**PS series**

**Feature**

- One touch sleeve which can be used for the terminal as below.
  - Positive-lock EX terminal  Straight Type (Tyco Electronics "AMP")
  - PS connector-contact  Straight Type (J.S.T.)
- Easily removable from the tab by holding the sleeve body, which unlocks the locking system.
- Prevent terminal from the foreign object coming through the cable entry.

**Material**
Nylon 66  UL94V-0

**Standard color**
White

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Applicable terminal</th>
<th>Applicable wire</th>
<th>Nipping point</th>
<th>φd</th>
<th>W0</th>
<th>W1</th>
<th>W2</th>
<th>W3</th>
<th>W4</th>
<th>H (L)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PS-187U</td>
<td>Straight 187</td>
<td>φ 4.0 or less</td>
<td>4.0 or less</td>
<td>4.0</td>
<td>5.8</td>
<td>2.7</td>
<td>7.2</td>
<td>4.0</td>
<td>9.4</td>
<td>5.6</td>
</tr>
<tr>
<td>PS-250U</td>
<td>Straight 250</td>
<td>φ 4.4 or less</td>
<td>4.4 or less</td>
<td>4.4</td>
<td>8.1</td>
<td>3.4</td>
<td>9.5</td>
<td>4.8</td>
<td>10.0</td>
<td>6.0</td>
</tr>
</tbody>
</table>

**Packing unit:** 500 pieces

---

One touch sleeve

**PF series**

**Feature**

- One touch sleeve which can be used for the terminal as below.
  - Positive-lock EX terminal  Flag Type (Tyco Electronics "AMP")
- Easily removable from the tab by holding the sleeve body, which unlocks the locking system.

**Material**
Nylon 66  UL94V-2: Natural  UL94V-0: White

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Applicable terminal</th>
<th>Applicable wire</th>
<th>Nipping point</th>
<th>φd</th>
<th>W0</th>
<th>W1</th>
<th>W2</th>
<th>W3</th>
<th>W4</th>
<th>H (L)</th>
</tr>
</thead>
<tbody>
<tr>
<td>UL94V-2</td>
<td>Flag-type EX 187</td>
<td>φ 4.0 or less</td>
<td>4.4 or less</td>
<td>5.0</td>
<td>6.0</td>
<td>2.8</td>
<td>8.0</td>
<td>4.7</td>
<td>14.5</td>
<td>6.4</td>
</tr>
<tr>
<td>PF-187</td>
<td>Flag-type EX 250</td>
<td>φ 4.0 or less</td>
<td>4.8 or less</td>
<td>6.0</td>
<td>8.0</td>
<td>3.4</td>
<td>10.0</td>
<td>5.4</td>
<td>17.0</td>
<td>7.0</td>
</tr>
</tbody>
</table>

**Packing unit:** 500 pieces
## One touch sleeve
### FPS series

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Applicable terminal</th>
<th>Applicable wire</th>
<th>Nipping point</th>
<th>Dimensions (mm)</th>
<th>Cat.No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>FPS-187U</td>
<td>Flag-type 187</td>
<td>φ 4.0 or less</td>
<td>4.4 or less</td>
<td>5.0, 5.8, 2.8, 8.0, 4.7, 14.5, 6.4, 17.5</td>
<td>70U</td>
</tr>
<tr>
<td>FPS-250U</td>
<td>Flag-type 250</td>
<td>φ 4.8 or less</td>
<td>4.8 or less</td>
<td>6.0, 8.0, 3.4, 10.0, 5.4, 17.0, 7.0, 19.8</td>
<td></td>
</tr>
</tbody>
</table>

- FPS-187U
- FPS-250U

### Feature
- One touch sleeve which can be used for the terminal as below.
- PS connector-contact Flag Type (J.S.T.)
- Easily removable from the tab by holding the sleeve body, which unlocks the locking system.

### Material
- Nylon 66
- UL94V-0

### Standard color
- White

---

## One touch sleeve
### FW series

- Flag-shaped 250 nylon sleeves for Positive Lock EX Terminals for Thick Wires and PS Connectors/Contacts.
- Prevents incorrect insertion into tab terminals and allows easy separation from tab terminals because removing the sleeve itself causes the terminal lock to open. (See Picture ①)
- An 8-mm terminal block between tab terminals allows sleeves to be lined up and connected for electrolytic capacitors, etc. (See Picture ②)

### Feature
- FW-250U

### Material
- Nylon 66 (UL94V-0)
- White

### Standard color
- TYCO Electronics Japan, Ltd.
- JST Mfg. Co., Ltd.

### Applicable Electrical Wires
- AWG #12-10 (diameter 5.2 mm or less, crimp height of cover 5.7 mm or shorter)
One touch sleeve
HF-250U

Feature

- Protection cover having the direct view of locking point, and a good heat radiation.
- Can be used for the terminal as below.
  - Positive-lock EX terminal: Flag Type 250 (Tyco Electronics "AMP")
  - PS connector-contact: Flag Type 250 (J.S.T.)
- Easily removable from the tab by holding the sleeve body, which unlocks the locking system.

Material
Nylon 66
UL94V-0

Standard color
White

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Applicable terminal</th>
<th>Dimensions (mm)</th>
<th>Packing unit (pieces)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Applicable wire</td>
<td>Nipping point</td>
</tr>
<tr>
<td></td>
<td></td>
<td>φ 4.0 or less</td>
<td>4.8 or less</td>
</tr>
<tr>
<td>HF-250U</td>
<td>Flag-type 250</td>
<td></td>
<td>500</td>
</tr>
</tbody>
</table>

Crimp cover®
CPS series

Feature

- Protection and insulation cover for the nipping point of wire and terminal.
- Easily snapped-on after the terminal slotted onto the tab.
- By covering only nipping point, these will not block the heat radiation.
- Can be used for tubular-shaped terminal besides standard straight, positive-lock EX terminal straight-shaped.

Material
Nylon 66
UL94V-2: Natural
UL94V-0: White

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Dimensions (mm)</th>
<th>Packing unit (pieces)</th>
</tr>
</thead>
<tbody>
<tr>
<td>UL94V-2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>UL94V-0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CPS-30</td>
<td>φ 2.0 〜 φ 3.0</td>
<td>3.6×4.7 or less</td>
</tr>
<tr>
<td>CPS-30U</td>
<td></td>
<td>4.7 〜 7.1</td>
</tr>
<tr>
<td>CPS-38</td>
<td>φ 3.3 〜 φ 3.8</td>
<td>4.4×5.7 or less</td>
</tr>
<tr>
<td>CPS-38U</td>
<td></td>
<td>5.7 〜 8.1</td>
</tr>
</tbody>
</table>
**Crimp cover®**

**CPS-250U**

**Feature**

- Crimp cover which can be used for the terminal as below.
  - Positive-lock EX terminal  Straight Type 250 (Tyco Electronics "AMP")
  - PS connector-contact  Straight Type 250 (J.S.T.)
- Easily removable from the tab by pulling while the lock-release button is pressed.

**Material**  
Nylon 66  UL94V-0  White

**Standard color**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Applicable terminal</th>
<th>Dimensions (mm)</th>
<th>Packing unit (pieces)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPS-250U</td>
<td>Straight 250</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Feature**

- Crimp cover which can be used for the terminal as below.
  - Positive-lock EX terminal  Flag Type 250 (Tyco Electronics "AMP")
  - PS connector-contact  Flag Type 250 (J.S.T.)
- Easily removable from the tab by pulling while the lock-release button is pressed.

**Material**  
Nylon 66  UL94V-0  White

**Standard color**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Applicable terminal</th>
<th>Dimensions (mm)</th>
<th>Packing unit (pieces)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPF-250U</td>
<td>Flag-type 250</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Connector Sleeve

**DS/DS-P/DF series**

**Feature**

- Insulation sleeve, which can be slotted after the wire connected to the terminal, made of soft PVC through the injection production.
- Easy to handle, can be used for double nipping.

**Material**

Soft PVC

UL recognized material (E68538): SS107UFTT

**Standard color**

Blue transparent (23)

---

**DS/DS-P series**

**Feature**

- DS/DS-P series can be installed regardless the front or back face.
- DS series can be used for the terminal as below.
  - Straight standard terminal
- DS-P series can be used for the terminal as below.
  - Positive-lock EX terminal
  - PS connector-contact

- **DS series**

- **DS-P series**

---

**Part No.**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Applicable wire</th>
<th>Dimensions (mm)</th>
<th>Cat. No.</th>
<th>Packing unit (pieces)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DS-110U</td>
<td>Straight 110</td>
<td>W1 2.9, W2 1.4, W3 4.4, W4 3.0, L1 22.0</td>
<td>31 1,000</td>
<td></td>
</tr>
<tr>
<td>DS-187U</td>
<td>Straight 187</td>
<td>W1 5.7, W2 2.5, W3 6.3, W4 3.0, L1 22.5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DS-250U</td>
<td>Straight 250</td>
<td>W1 7.6, W2 3.1, W3 8.5, W4 3.7, L1 26.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DS-187PU</td>
<td>Straight 187</td>
<td>W1 5.5, W2 2.3, W3 6.3, W4 2.9, L1 22.5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DS-250PU</td>
<td>Straight 250</td>
<td>W1 7.0, W2 2.7, W3 8.5, W4 3.6, L1 26.0</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
DF series

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Applicable wire</th>
<th>Dimensions (mm)</th>
<th>Cat. No.</th>
<th>Packing unit (pieces)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DF-187U</td>
<td>Flag-type 187</td>
<td>W1: 5.7  W2: 2.3  W3: 11.0  W4: 3.0  L1: 12.5  L2: 14.5</td>
<td>30</td>
<td>1,000</td>
</tr>
<tr>
<td>DF-250U</td>
<td>Flag-type 250</td>
<td>W1: 8.3  W2: 2.8  W3: 13.8  W4: 3.7  L1: 14.8  L2: 17.2</td>
<td>30</td>
<td>1,000</td>
</tr>
</tbody>
</table>

DF series can be used for the terminal as below.
- Flag type standard terminal
- Positive-lock EX terminal Flag Type (Tyco Electronics “AMP”)
- PS connector-contact Flag Type (J.S.T.)
- Protect the foreign object coming into the sleeve.