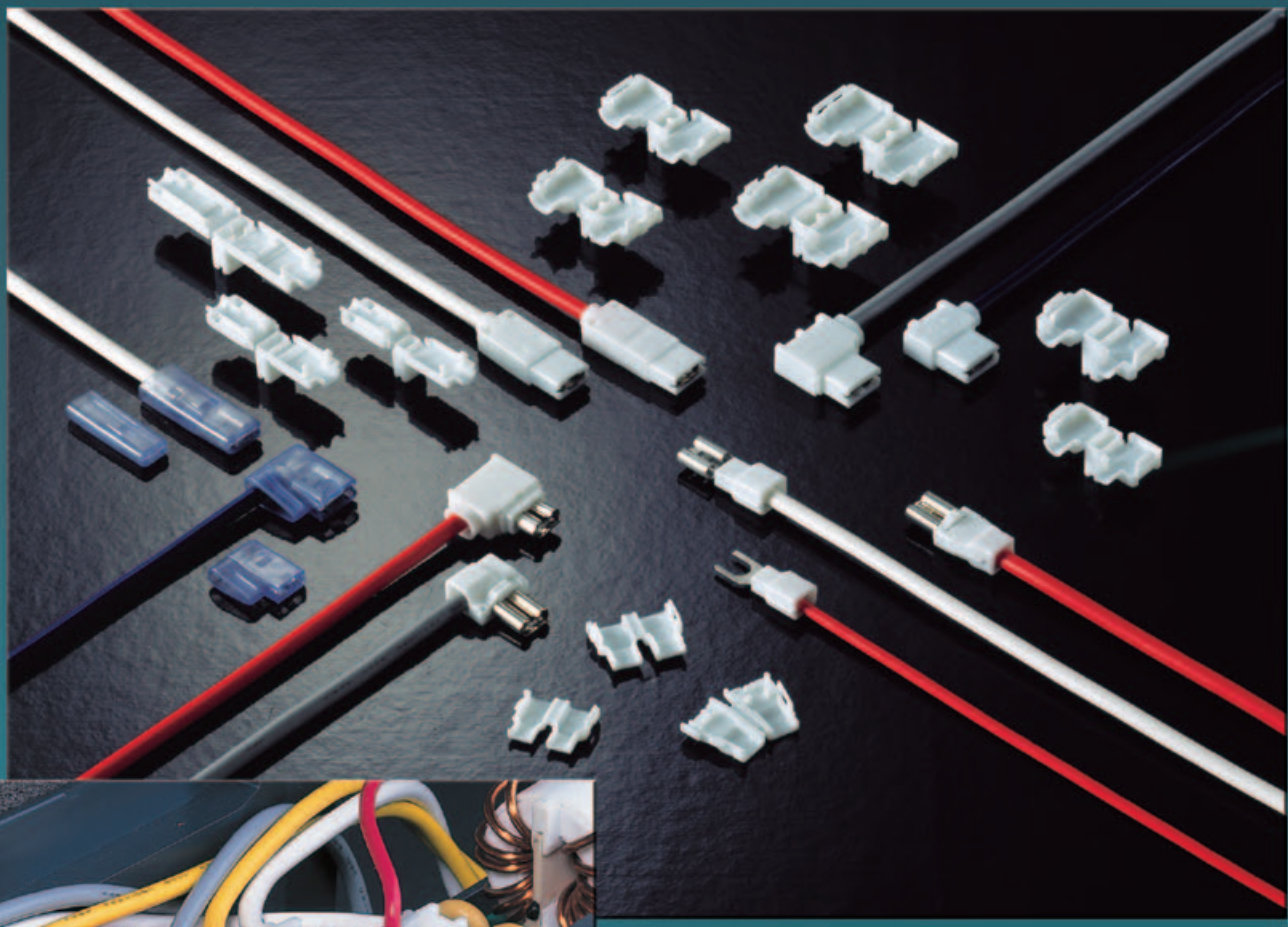
WIRING ACCESSORY



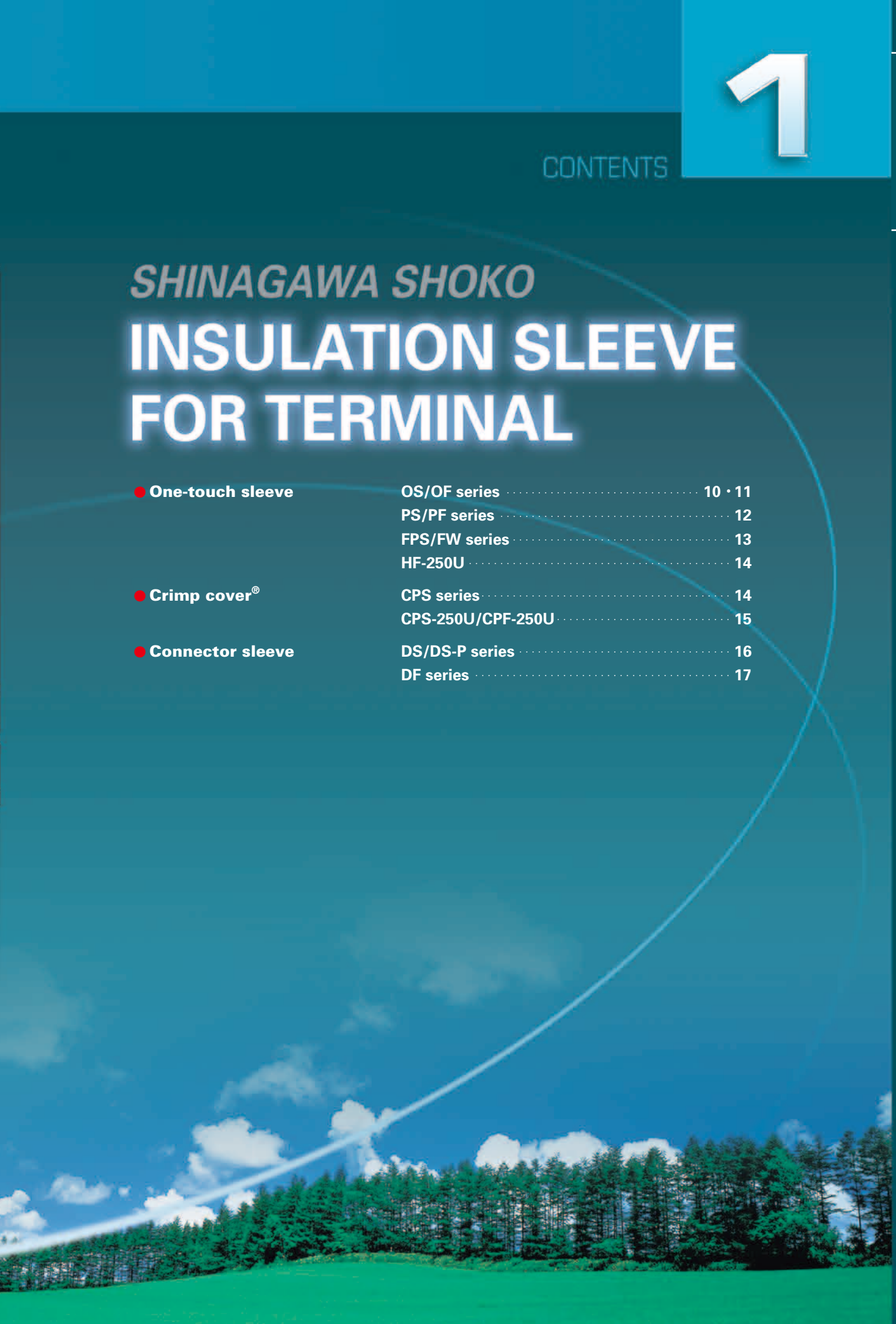
1

CONTENTS

SHINAGAWA SHOKO

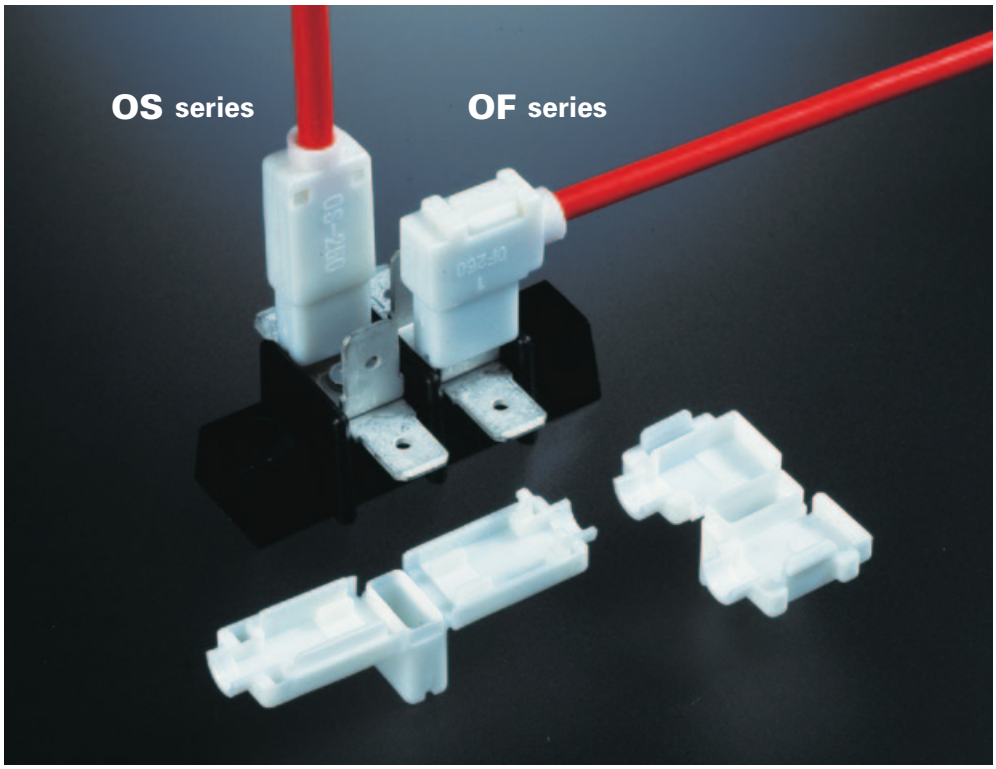
INSULATION SLEEVE FOR TERMINAL

- **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

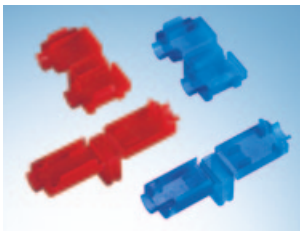


One touch sleeve
OS/OF series

RoHS compliant



※ Red and blue colors are also stocked for OS-110, OS-187, OS-250 OF-187 and OF-250.



Feature

- 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.

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**

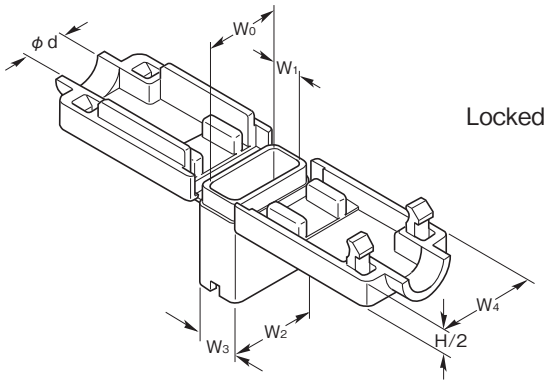
Cat. No. 50B, 51, 51A, 52, 52A, 60, 60A, 61, 61A, 62, 70 ····· Rating: 80℃, 600V
50BU, 51U, 51AU, 52U, 52AU, 60U, 60AU, 61U, 61AU, 62U, 70U, 71U, 72U ····· Rating: 105℃, 600V

CSA recognized product **LR83372**

Cat. No. 50B, 51, 51A, 52, 52A, 60, 60A, 61, 61A, 70 ····· Rating: 90℃, 300V

For straight terminal (OS series)

RoHS compliant



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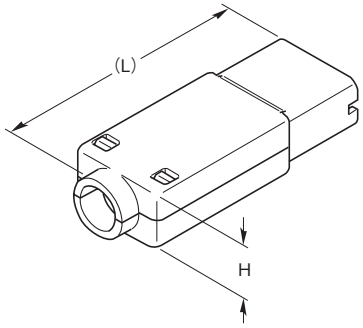


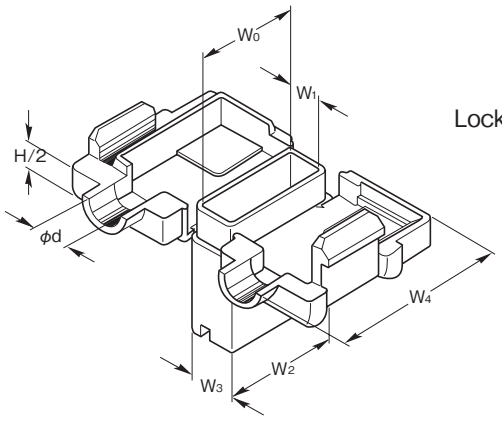
- Close the end of the sleeve as shown in the photos.

Part No.		Applicable terminal	Dimensions (mm)										Cat.No.	
UL94V-2	UL94V-0		Applicable wire	Nipping point	φ d	W0	W1	W2	W3	W4	H	(L)	94V-2	94V-0
OS-110	OS-110U	Straight 110 series	φ 3.0 or less	3.0 or less	3.0	4.1	2.3	6.0	3.9	8.0	4.6	22.3	52A	52AU
OS-187	OS-187U	Straight 187 series	φ 3.6 or less	3.6 or less	3.6	6.1	2.6	7.5	3.9	8.8	5.2	21.9	51A	51AU
OS-205	OS-205U	Straight 205 series	φ 3.6 or less	3.6 or less	3.6	6.8	2.9	8.5	4.4	8.8	5.2	24.6	51A	51AU
OS-250	OS-250U	Straight 250 series	φ 4.1 or less	4.1 or less	4.1	8.0	3.4	9.3	4.7	9.8	5.6	26.0	50B	50BU

Packing unit : 500 pieces

For flag-type terminal (OF series)

RoHS compliant



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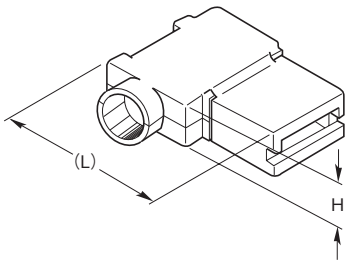


- Close the end of the sleeve as shown in the photos.

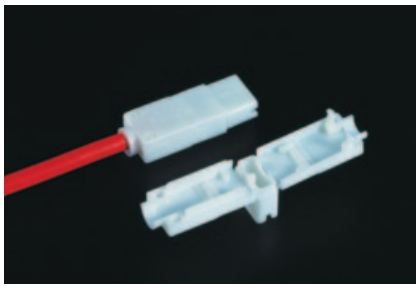
Part No.		Applicable terminal	Dimensions (mm)										Cat.No.	
UL94V-2	UL94V-0		Applicable wire	Nipping point	φ d	W0	W1	W2	W3	W4	H	(L)	94V-2	94V-0
OF-187	OF-187U	Flag-type 187 series	φ 3.6 or less	3.6 or less	3.6	6.4	3.0	7.9	4.5	13.5	5.4	15.5	61A	61AU
OF-187N	OF-187NU	Flag-type 187 series	φ 3.4 or less	3.4 or less	3.4	6.4	3.0	7.9	4.5	13.5	5.4	14.6	61A	61AU
OF-205	OF-205U	Flag-type 205 series	φ 4.0 or less	4.0 or less	4.0	7.0	3.2	8.7	4.7	15.0	5.8	15.5	60A	60AU
OF-250	OF-250U	Flag-type 250 series	φ 3.9 or less	4.6 or less	3.9	8.8	3.9	10.3	5.1	16.0	6.0	18.0	60A	60AU
※ OF-250S	OF-250SU	Flag-type 250 series	φ 5.0 or less	6.6 or less	5.0	8.8	5.0	10.2	6.4	16.9	7.2	17.8	62	62U

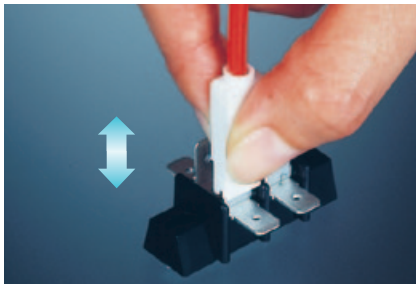
※ For refrigerator, air-compressor of air-conditioner etc, and sealed terminal.

Packing unit : 500 pieces

One touch sleeve
PS series

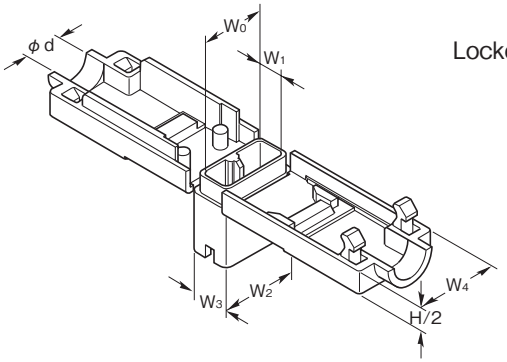
RoHS compliant

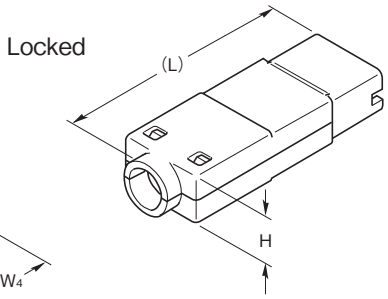




Feature

- 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

UL recognized product E55167

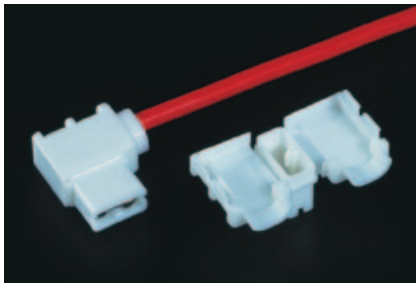
Cat. No. 71U, 72U ····· Rating: 105℃, 600V

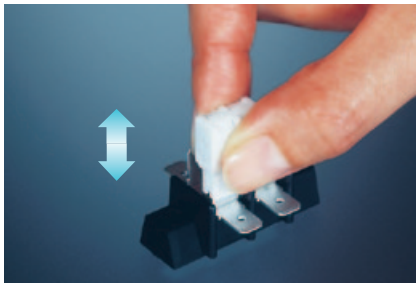
Part No.	Applicable terminal	Dimensions (mm)										Cat.No.
		Applicable wire	Nipping point	ϕd	W0	W1	W2	W3	W4	H	(L)	
PS-187U	Straight 187	ϕ 4.0 or less	4.0 or less	4.0	5.8	2.7	7.2	4.0	9.4	5.6	24.8	71U
PS-250U	Straight 250	ϕ 4.4 or less	4.4 or less	4.4	8.1	3.4	9.5	4.8	10.0	6.0	28.0	72U

Packing unit : 500 pieces

One touch sleeve
PF series

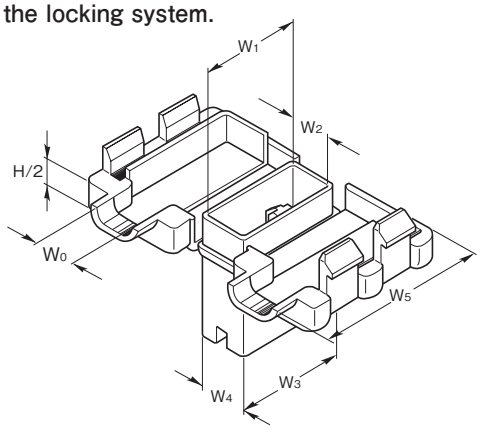
RoHS compliant

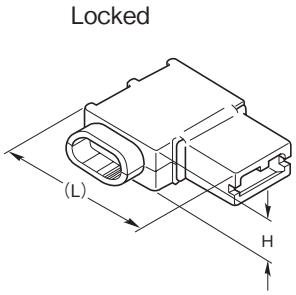




Feature

- 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

Standard color
UL94V-2: Natural
UL94V-0: White

UL recognized product E55167

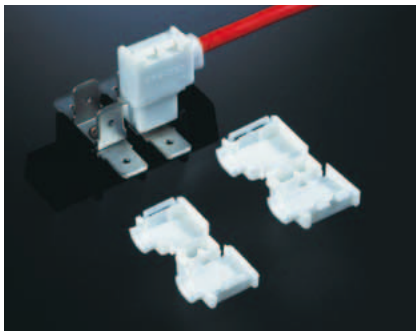
Cat. No. 70 ····· Rating: 80℃, 600V
70U ····· Rating: 105℃, 600V

Part No.		Applicable terminal	Dimensions (mm)										Cat.No.	
UL94V-2	UL94V-0		Applicable wire	Nipping point	W0	W1	W2	W3	W4	W5	H	(L)	94V-2	94V-0
PF-187	PF-187U	Flag-type EX 187	ϕ 4.0 or less	4.4 or less	5.0	6.0	2.8	8.0	4.7	14.5	6.4	17.2	70	70U
PF-250	PF-250U	Flag-type EX 250		4.8 or less	6.0	8.0	3.4	10.0	5.4	17.0	7.0	19.6		

Packing unit : 500 pieces

One touch sleeve
FPS series

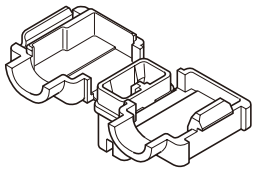
RoHS compliant



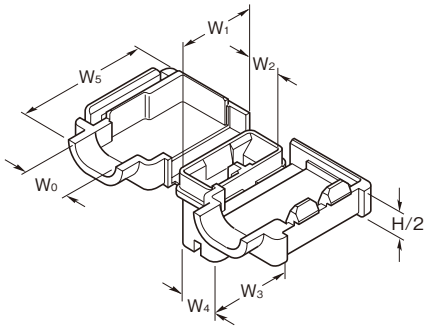
Feature

- 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.

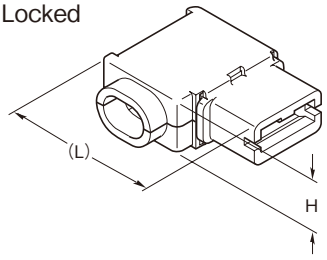
FPS-187U



FPS-250U



Locked



Material
Nylon 66 UL94V-0

Standard color
White

UL recognized product **E55167**
Cat. No. 70U ····· Rating: 105℃, 600V

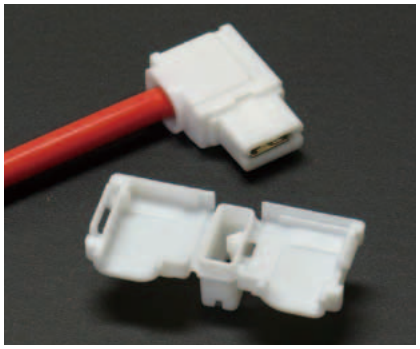
Part No.	Applicable terminal	Dimensions (mm)										Cat.No.
		Applicable wire	Nipping point	W0	W1	W2	W3	W4	W5	H	(L)	
FPS-187U	Flag-type 187	ϕ 4.0 or less	4.4 or less	5.0	5.8	2.8	8.0	4.7	14.5	6.4	17.5	70U
FPS-250U	Flag-type 250		4.8 or less	6.0	8.0	3.4	10.0	5.4	17.0	7.0	19.8	

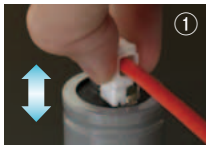
Packing unit : 500 pieces

One touch sleeve
FW series

New

RoHS compliant



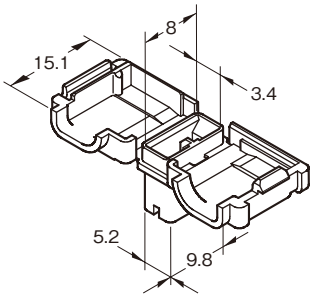


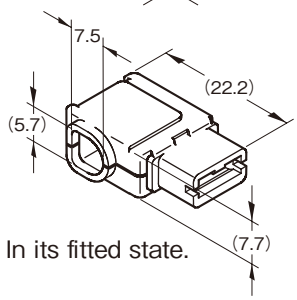
① Easy to attach and remove.
② Sleeves can be lined up and connected.

Feature

- 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)

FW-250U





In its fitted state.

Material
Nylon 66 (UL94V-0)

Standard color
White

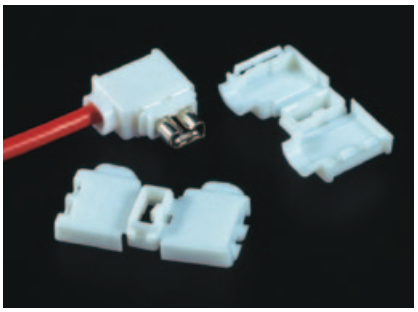
UL recognized product **E55167**
Cat. FW-250U## ····· Rating: 105℃, 600V

Manufacturer	TYCO Electronics Japan, Ltd.	JST Mfg. Co., Ltd.
Number	175178-1	SFPS-91T-250
Model	Positive Lock EX 250 Flag-Shaped	PS Connector/Contact #250 Flag-Shaped
Applicable Electrical Wires	AWG #12-10 (diameter 5.2 mm or less, crimp height of cover 5.7 mm or shorter)	

Packing unit : 500 pieces

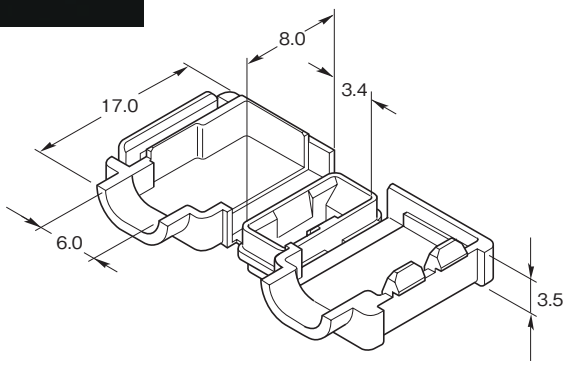
One touch sleeve
HF-250U

RoHS compliant

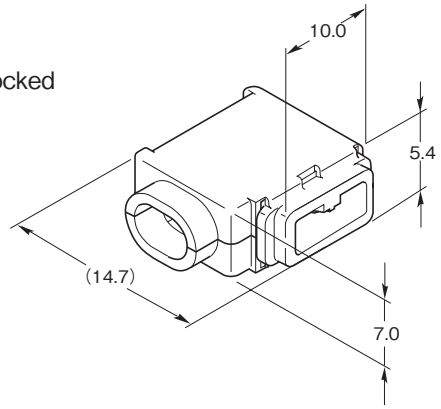


Feature

- 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.



Locked



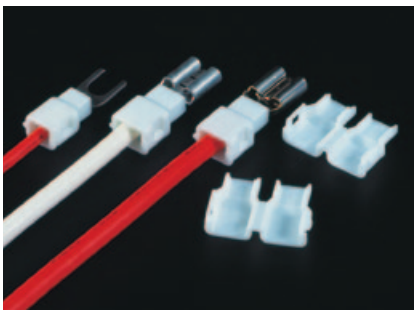
Material　Nylon 66　UL94V-0

Standard color　White

Part No.	Applicable terminal	Dimensions (mm)		Packing unit (pieces)
		Applicable wire	Nipping point	
HF-250U	Flag-type 250	ϕ 4.0 or less	4.8 or less	500

Crimp cover®
CPS series

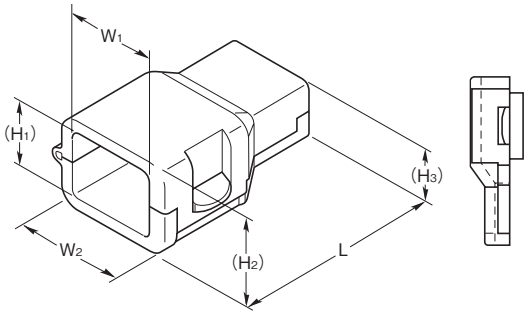
RoHS compliant

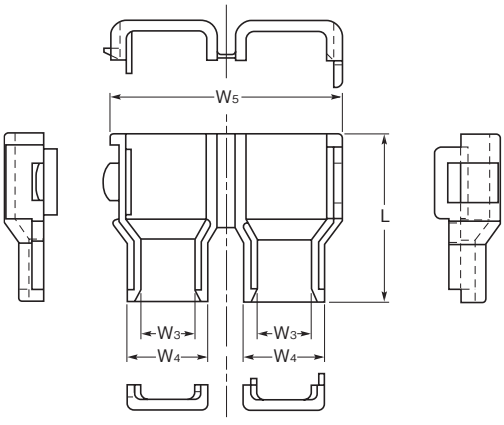


Feature

- 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.

Locked





Material　Nylon 66

Standard color　UL94V-2: Natural
UL94V-0: White

Part No.		Dimensions (mm)											Packing unit (pieces)
UL94V-2	UL94V-0	Applicable wire	Nipping point	W1	W2	W3	W4	W5	H1	H2	H3	L	
CPS-30	CPS-30U	ϕ 2.0 ~ ϕ3.0	3.6×4.7 or less	4.7	7.1	3.0	5.6	15.6	3.6	5.2	3.6	11.7	500
CPS-38	CPS-38U	ϕ 3.3 ~ ϕ3.8	4.4×5.7 or less	5.7	8.1	4.1	6.1	17.6	4.4	6.0	3.8	12.7	

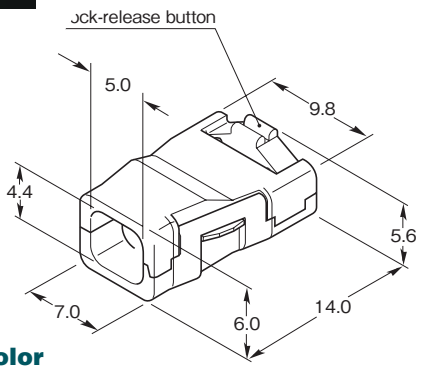
Crimp cover®
CPS-250U

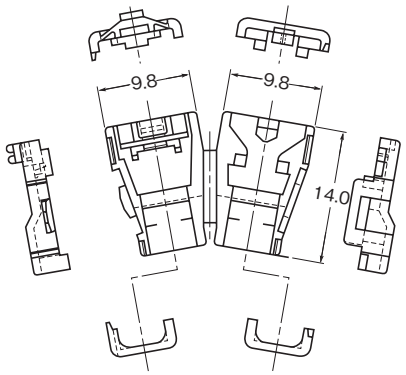
RoHS compliant

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.

Locked





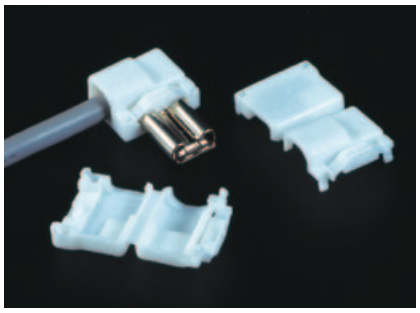
Material Nylon 66 UL94V-0

Standard color White

Part No.	Applicable terminal	Dimensions (mm)		Packing unit (pieces)
		Applicable wire	Nipping point	
CPS-250U	Straight 250	ϕ 3.9 or less	4.4×5.0 or less	500

Crimp cover®
CPF-250U

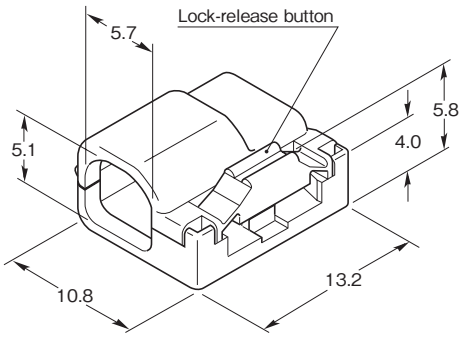
RoHS compliant

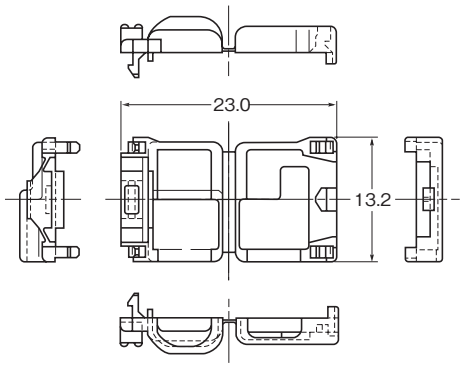


Feature

- 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.

Locked





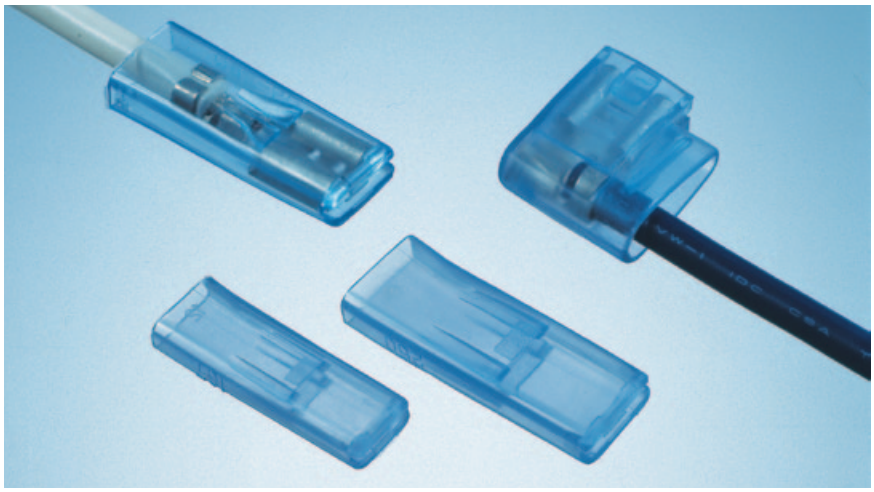
Material Nylon 66 UL94V-0

Standard color White

Part No.	Applicable terminal	Dimensions (mm)		Packing unit (pieces)
		Applicable wire	Nipping point	
CPF-250U	Flag-type 250	ϕ 5.0 or less	5.2×6.8 or less	500

Connector Sleeve
DS/DS-P/DF series

RoHS compliant



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 (E58538):
SS107UFTT

Standard color

Blue transparent (23)

UL recognized product **E55167**
Cat. No. 30, 31 Flammable Rating VW-1 ····· Rating: 105℃, 600V

CSA recognized product **LR85820**
Cat. No. 30, 31 ····· Rating: 105℃, 600V

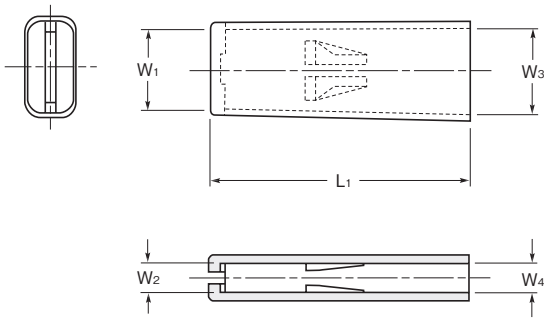
DS/DS-P series

RoHS compliant

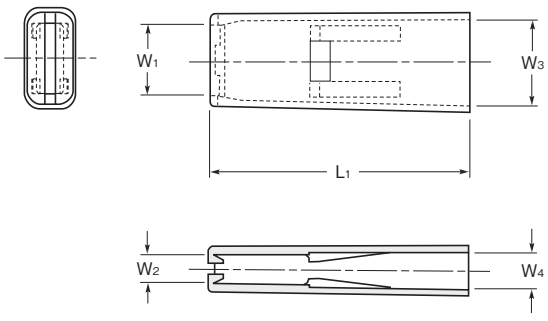
Feature

- 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 Straight Type (Tyco Electronics "AMP")
  - PS connector-contact Straight Type (J.S.T.)

DS series



DS-P series

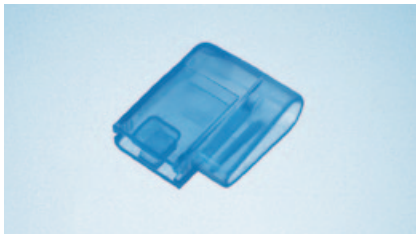
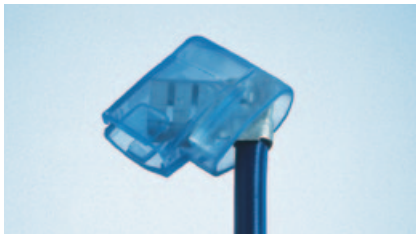


Note: The internal design of the DS-110U is different.

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

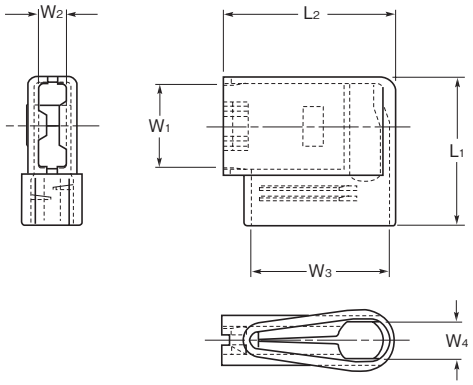
DF series

RoHS compliant

Feature

- 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.



Part No.	Applicable wire	Dimensions (mm)						Cat. No.	Packing unit (pieces)
		W_1	W_2	W_3	W_4	L_1	L_2		
DF-187U	Flag-type 187	5.7	2.3	11.0	3.0	12.5	14.5	30	1,000
DF-250U	Flag-type 250	8.3	2.8	13.8	3.7	14.8	17.2		