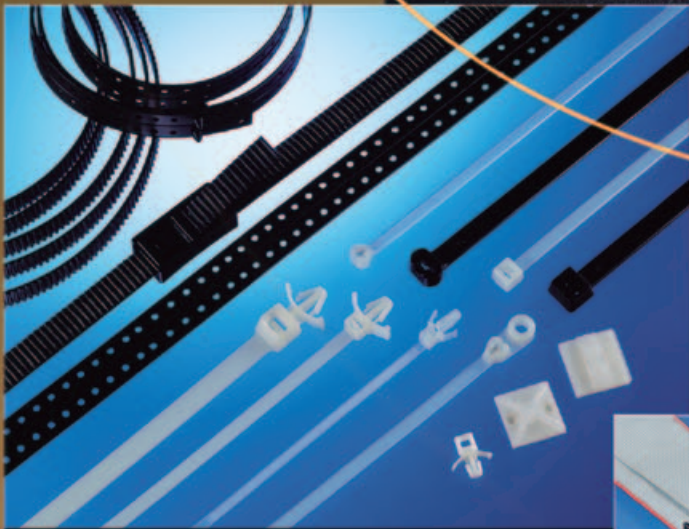
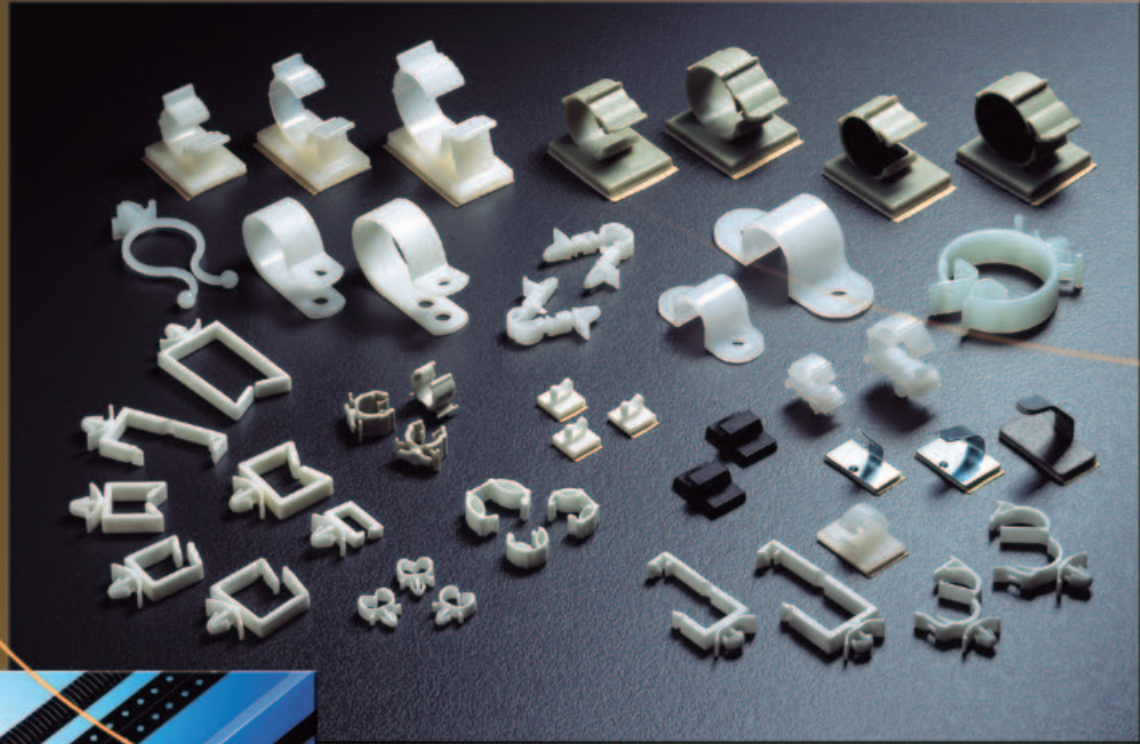


WIRING ACCESSORY



SHINAGAWA SHOKO

WIRING CLAMP

● Wire saddle	WS/WWS/WS-SE/BWS	44
	WSR/LWS series	45
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● Easy lock	ES/EB series	48 · 49
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● Mini belt	B/C	67
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Wire saddle

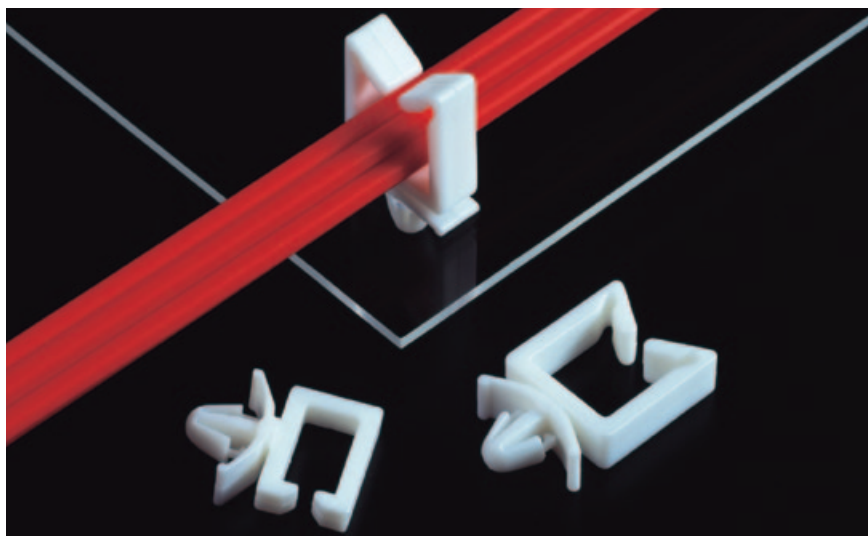
WS/WWS/WS-SE/BWS



Feature

- For holding a bundle of wire and cable.
- Can be snapped onto the chassis with single push.
- Easy to hold and maintain the wire.
- The WWS-2 is the wide model of WS series accomodating more wire.
- Wire to be inserted from the side for WS-SE-1.

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

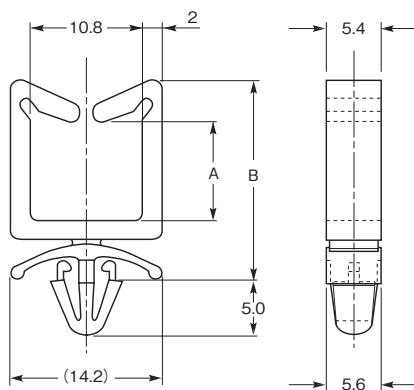


UL recognized product E191920 Cat. No. WS Rating: 85°C
 Cat. No. WWS Rating: 85°C

Cat. No. WS-U Rating: 105°C
 Cat. No. WWS-U Rating: 105°C

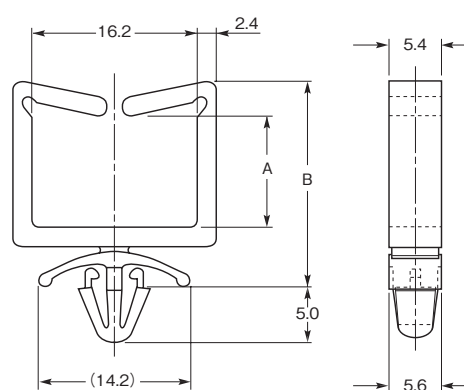
WS

Fig.1



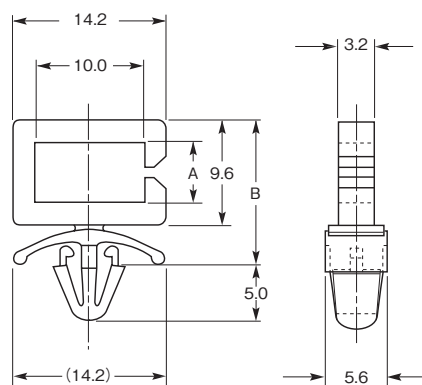
WWS-2

Fig.2



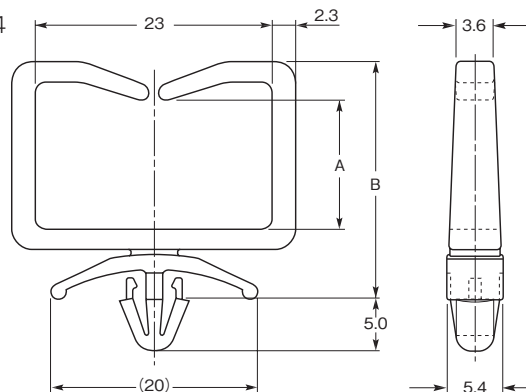
WS-SE-1

Fig.3



BWS-2 **New**

Fig.4



Part No.		Dimensions (mm)				Packing unit (pieces)	
UL94V-2	UL94V-0	A	B	Mounting hole	Applicable board thickness		
WS-1	WS-1U	4.2	15.5	φ 4.8	0.5 ~ 2.0	1	500
WS-2	WS-2U	9.5	20.4		0.5 ~ 2.3		
WS-2L	※ WS-2LU	9.5	20.4		0.5 ~ 2.0		
WS-3	WS-3U	18.3	29.5		0.6 ~ 2.3		
WS-4	WS-4U	26.3	37.3				
WWS-2	WWS-2U	10.6	21.5				
WS-SE-1	WS-SE-1U	5.6	13.7				
BWS-2	※ BWS-2U	12.3	23.0				

is UL recognized product. ※ is order made items.

INSULATION SLEEVE FOR TERMINAL

CIRCUIT BOARD ACCESSORY

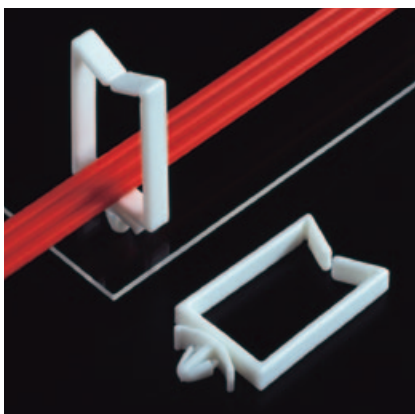
WIRING CLAMP

WIRING PROTECTOR

FASTENER

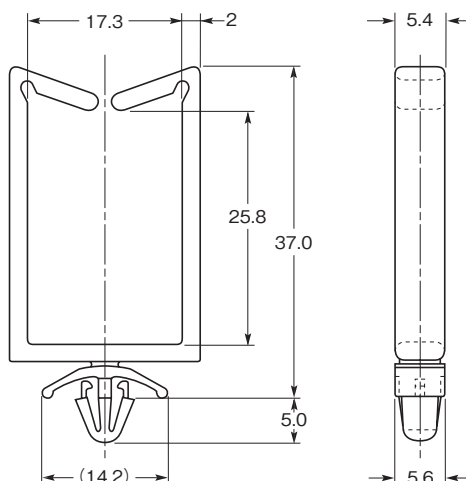
DIP-MOLDED PRODUCT

Wire saddle WSR series



Feature

- Best suited for holding optical fiber.
- Protect the optical fiber from the damage owing to the roundish structure.



Material

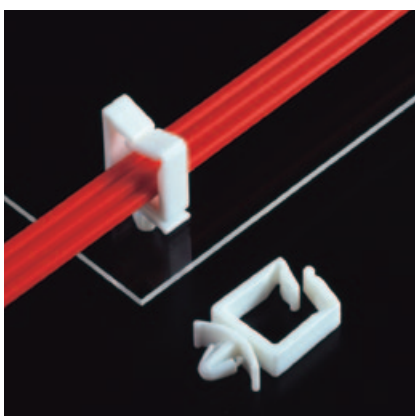
Nylon 66

Standard color

UL94V-2: Natural
UL94V-0: White

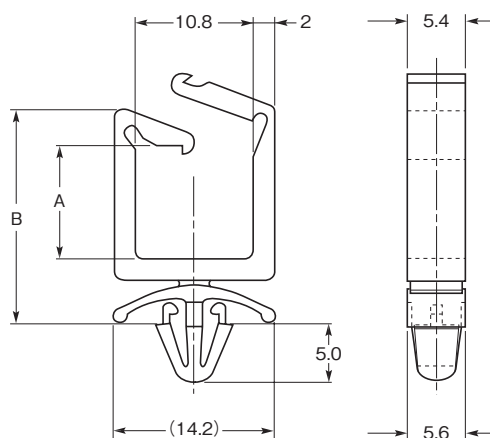
Part No.		Dimensions (mm)		Packing unit (pieces)
UL94V-2	UL94V-0	Mounting hole	Applicable board thickness	
WSR-4	WSR-4U	φ 4.8	0.5 ~ 2.0	500

Wire saddle LWS series



Feature

- Can be inserted and locked in the place by simple push.
- Can be fixed with single push.
- Can be installed in horizontal or reverse direction due to the insertion with locking system.



Material

Nylon 66

Standard color

UL94V-2: Natural
UL94V-0: White



UL recognized product

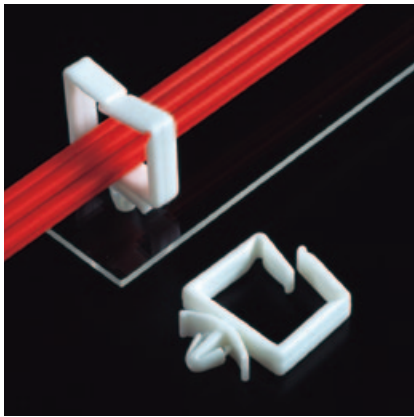
E191920

Cat. No. LWS..... Rating: 85°C
Cat. No. LWS-U Rating: 85°C

Part No.		Dimensions (mm)				Packing unit (pieces)
UL94V-2	UL94V-0	A	B	Mounting hole	Applicable board thickness	
LWS-1	LWS-1U	6.7	16.4	φ 4.8	0.5 ~ 2.0	500
LWS-2	LWS-2U	10.6	20.4			
LWS-3	LWS-3U	20.0	29.5			
LWS-4	LWS-4U	27.8	37.3			

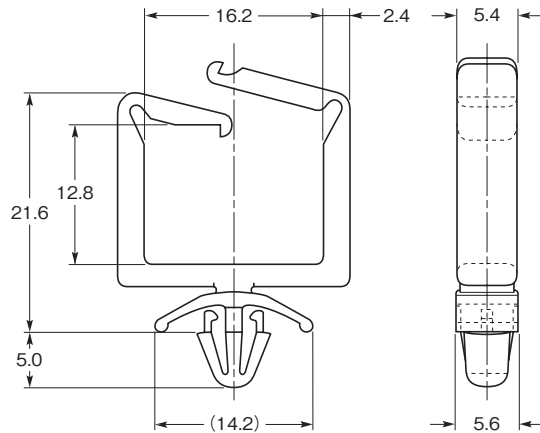
Wire saddle

LWSR-E series



Feature

- Best suited for holding the optical fiber.
- Protect the optical fiber from the damage owing to the roundish structure.
- Can be installed in horizontal or reverse direction due to the insertion with locking system.



Material

Nylon 66

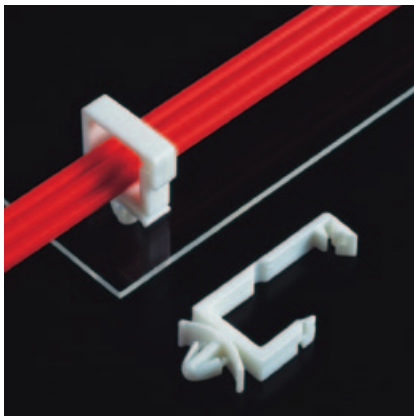
Standard color

UL94V-2: Natural
UL94V-0: White

Part No.		Dimensions (mm)		Packing unit (pieces)
UL94V-2	UL94V-0	Mounting hole	Applicable board thickness	
LWSR-E2	LWSR-E2U	φ 4.8	0.5 ~ 2.0	500

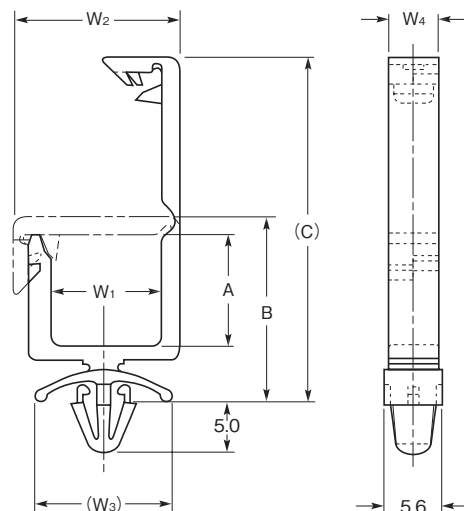
Wire saddle

PLWS series



Feature

- Shall be locked after the wire inserted.
- Enable to utilize the wiring space, and to be locked firmly.
- Can be installed in horizontal or reverse direction.



Material

Nylon 66

Standard color

UL94V-2: Natural
UL94V-0: White



UL recognized product

E191920

Cat. No. PLWS Rating: 85°C
Cat. No. PLWS-U Rating: 85°C

Part No.		Dimensions (mm)								Mounting hole	Applicable board thickness	Packing unit (pieces)
UL94V-2	UL94V-0	A	B	(C)	W ₁	W ₂	(W ₃)	(W ₄)				
PLWS-1	PLWS-1U	6.0	13.8	29.6	11.0	16.7	14.2	5.0	φ 4.8	0.6 ~ 2.0	500	
PLWS-2	PLWS-2U	11.1	18.8	35.4	11.4	17.3	14.2	5.0				
PLWS-3	PLWS-3U	16.4	24.8	42.5	12.9	19.0	14.2	5.5				
PLWS-4	PLWS-4U	22.5	32.1	55.3	17.5	24.5	18.2	6.0				
PLWS-4L	PLWS-4LU	22.5	33.3	56.5	17.5	24.5	18.2	6.0				2.0 ~ 3.2

Wire saddle PLWS-RT series



INSULATION SLEEVE
FOR TERMINAL

CIRCUIT BOARD ACCESSORY

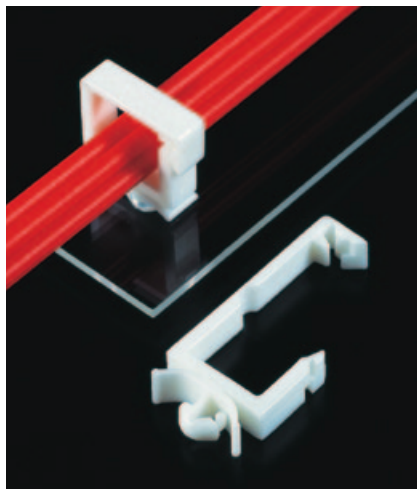
WIRING CLAMP

WIRING PROTECTOR

FASTENER

DIP-MOLDED PRODUCT

Re-usable type



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



UL recognized product

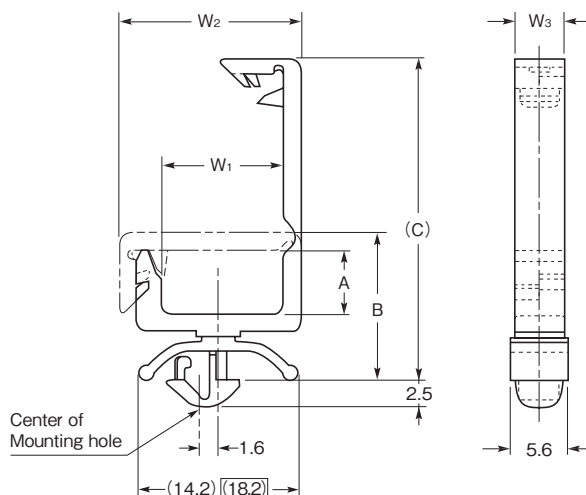
E191920

Cat. No. PLWS-RT····· Rating: 85°C

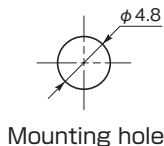
Cat. No. PLWS-RTU····· Rating: 85°C

Feature

- Excellent in maintenance and re-usability
- Hold the wire firmly due to the locking system.
- Easily removable from chassis.



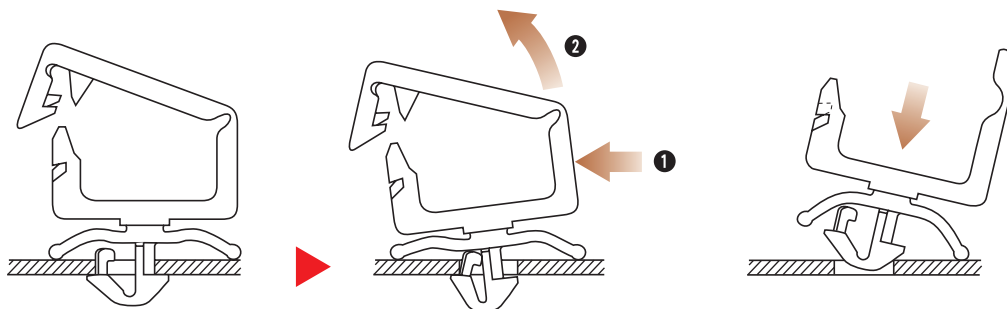
□ the dimensions of PLWS-4 series



Mounting hole

Un-Installation manual

- Installed on chassis



Easily removable by pushing towards ❶ direction and pulling towards ❷ direction at the same time.

Easily installed with the insertion as per the figure at a time of installation.

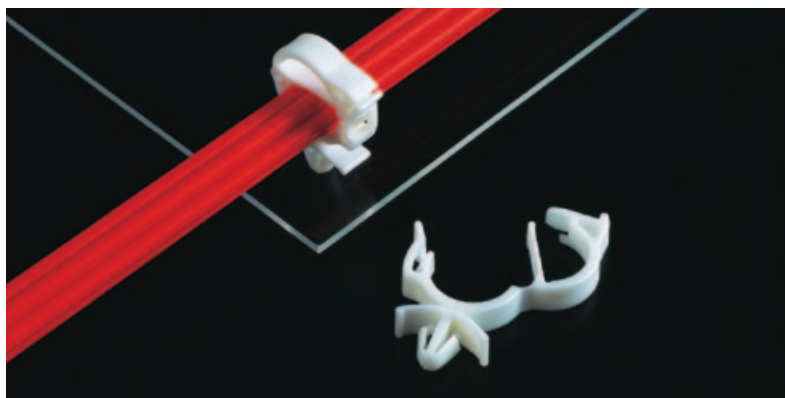
- Please avoid putting force towards ❶ direction while wiring or installing

Part No.		Dimensions (mm)							Mounting hole	Applicable board thickness	Packing unit (pieces)
UL94V-2	UL94V-0	A	B	(C)	W ₁	W ₂	(W ₃)				
PLWS-1RT	PLWS-1RTU	6.0	13.7	29.5	11.0	16.7	5.0	φ 4.8	0.7 ~ 2.0	500	
PLWS-2RT	PLWS-2RTU	11.1	18.7	35.3	11.4	17.3	5.0				
PLWS-3RT	PLWS-3RTU	16.4	24.7	42.4	12.9	19.0	5.5				
PLWS-4RT	PLWS-4RTU	22.5	32.0	55.2	17.5	24.5	6.0				



Easy lock

ES series/EB series



Feature

- Easily lockable with the fingertips and the internal spring will hold the wire firmly.
- Best suited for holding the optical fiber.
- Easy to unlock with the function of release lever.
- ES series to be fixed with single push and to use the mounting hole.
- EB series (Double-side adhesive tape type), smooth remove backing paper with pull-tab.

Material

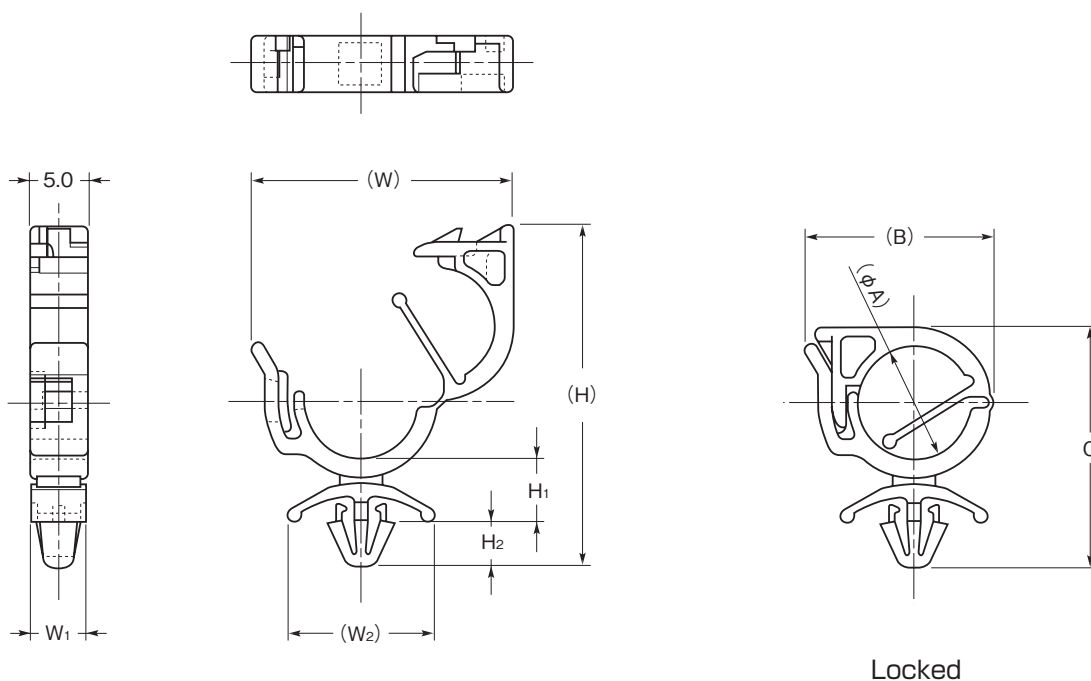
Nylon 66

Standard color

UL94V-2: Natural

UL94V-0: White

ES series



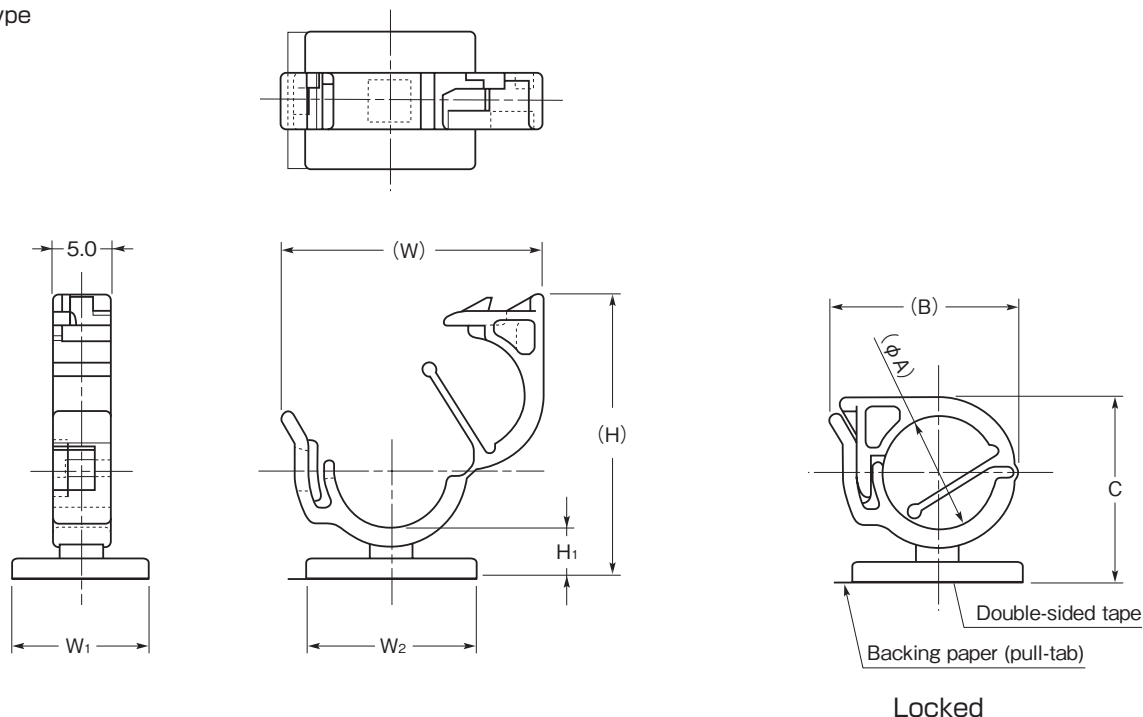
ES series

Part No.		Dimensions (mm)											Packing unit (pieces)	
UL94V-2	UL94V-0	Applicable wire size	(ϕ A)	(B)	C ± 0.3	(W)	W ₁	W ₂	(H)	H ₁	H ₂	Mounting hole		Applicable board thickness
ES- 6	ES- 6U	ϕ 4 ~ ϕ 6	7.6	13.9	19.0	19.2	4.8	(13.0)	25.9	5.5	4	ϕ 4.0	0.6 ~ 1.6	500
ES- 8	ES- 8U	ϕ 6 ~ ϕ 8	10.0	16.5	21.7	23.2	4.8	(13.0)	30.2	5.6	4	ϕ 4.0	0.6 ~ 1.6	
ES-10	ES-10U	ϕ 8 ~ ϕ 10	12.4	20.0	25.6	27.6	5.6	(14.2)	35.4	6.0	5	ϕ 4.8	0.6 ~ 2.0	



EB series

Pull-tab type

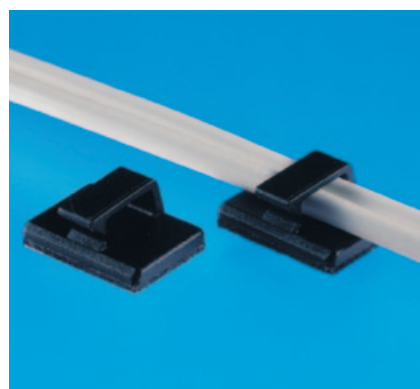


EB series

Part No.		Applicable wire size	Dimensions (mm)								Packing unit (pieces)
UL94V-2	UL94V-0		(φ A)	(B)	C ± 0.3	(W)	W ₁	W ₂	(H)	H ₁	
EB- 6	EB- 6U	φ 4 ~ φ 6	7.6	13.9	13.5	19.2	12.0	12.0	20.6	4.1	500
EB- 8	EB- 8U	φ 6 ~ φ 8	10.0	16.5	16.5	23.2	12.0	15.0	24.9	4.2	
EB-10	EB-10U	φ 8 ~ φ 10	12.4	20.0	19.1	27.6	15.0	17.5	29.4	4.7	

Reference P120 Please refer to the "Cautions concerning the use of product with the double-sided tape."

Cord hook
CH-MB



Feature

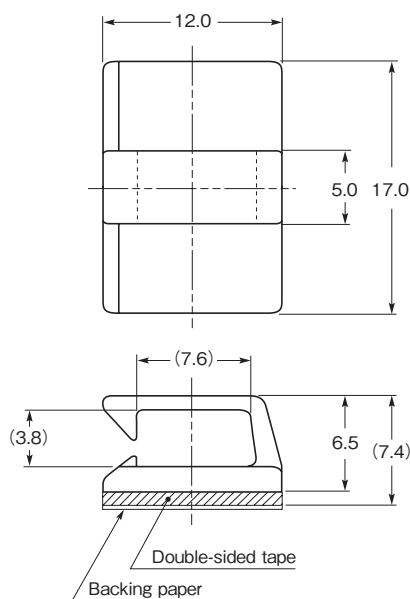
- Best suited for small wiring inside the various devices.
- Comes with double-sided tape.

Material

Nylon 6

Standard color

UL94V-2: Black



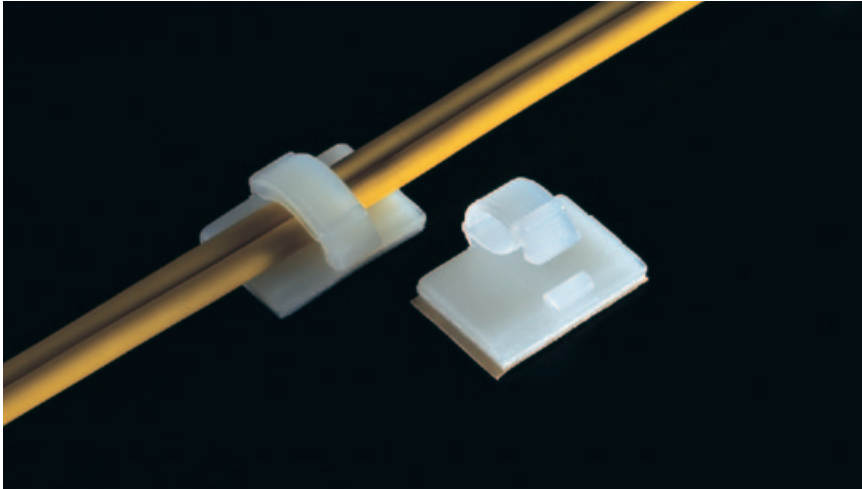
Part No.	Dimensions (mm)		Packing unit (pieces)
	Applicable wire size		
CH-MB	3.8x7.6		500

Reference P120 Please refer to the "Cautions concerning the use of product with the double-sided tape."



Patchpul® PA series

Pull-tab type



Feature

- Suited for fixing the cable or wire of various electronic and electric devices.
- Hold wire firmly with the internal spring excelling in elasticity.
- Double-side adhesive tape type, smooth remove backing paper with pull-tab.

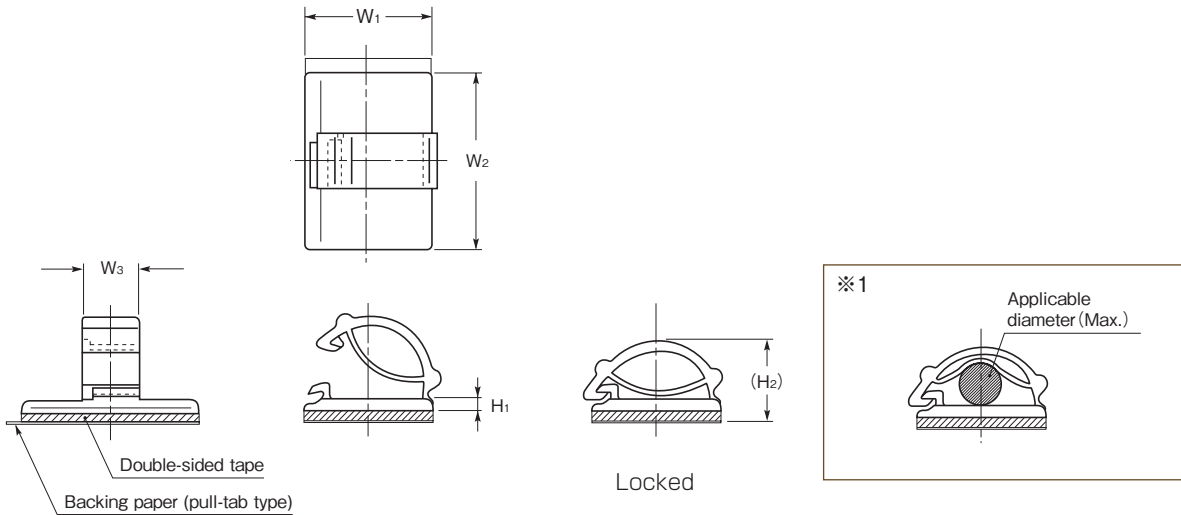
Material

Nylon 6 UL94V-2

Standard color

Natural

Black



Part No.	Applicable diameter (Max.) ^{※1}	Dimensions (mm)					Packing unit (pieces)
		W ₁	W ₂	W ₃	H ₁	(H ₂)	
PA-10	φ 2.1	10.0	19.6	6.0	1.4	5.6	500
PA-20	φ 4.5	14.2	19.6	6.0	1.4	8.5	
PA-30	φ 8.0	21.6	19.6	8.0	2.2	13.1	200

● At a time of placing an order, please attach the color code at the end of part number. **Example: PA-10B (Black)**

Color	Color code
Natural	N
Black	B

● The ones with heat-resistant double-sided tape are order made items.

Contact us for further information.

(Tolerable temperature range for tape : -30 °C ~ 200°C)

Reference P120 Please refer to the "Cautions concerning the use of product with the double-sided tape."

Patchpul[®]

PL series



INSULATION SLEEVE FOR TERMINAL

CIRCUIT BOARD ACCESSORY

WIRING CLAMP

WIRING PROTECTOR

FASTENER

DIP-MOLDED PRODUCT



Feature

- The same as PA series, but with mounting legs.
- Can be fixed with single push.
- Choose between round or plus-shaped mounting hole permit patch-pul to be tuned to the desired angle.

Material

Nylon 6 UL94V-2

Standard color

Natural
Black

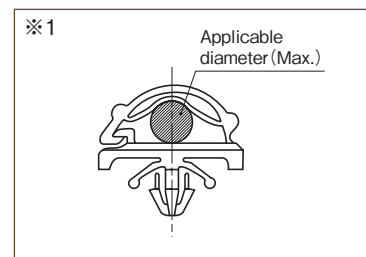
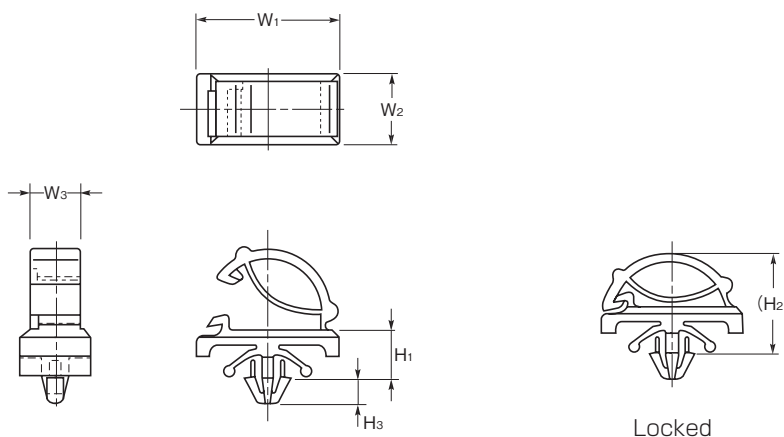


UL recognized product

E191920

Cat. No. PL-10 ····· Rating: 80°C

Cat. No. PL-20, -30 · Rating: 65°C



Part No.	Applicable diameter (Max.) ^{※1}	Dimensions (mm)						Applicable board thickness		Packing unit (pieces)
		W ₁	W ₂	W ₃	H ₁	H ₂	(H ₃)	Round hole	Plus-shaped hole	
PL-10	φ 2.1	13.4	8.0	6.0	5.1	7.9	3.0	0.5 ~ 1.8	0.5 ~ 1.6	500
PL-20	φ 4.5	16.2	8.0	6.0	5.2	11.1	3.0	0.5 ~ 1.8	0.5 ~ 1.6	
PL-30	φ 8.0	21.4	10.0	8.0	5.3	15.2	5.0	0.5 ~ 2.0	0.5 ~ 2.0	

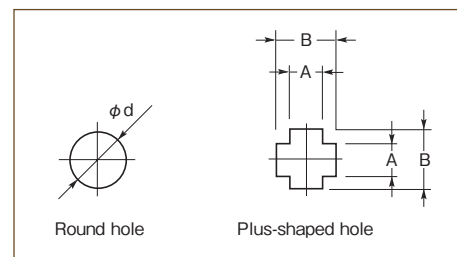
● At a time of placing an order, please attach the color code at the end of part number. **Example: PL-10B (Black)**

Color	Color code
Natural	N
Black	B

Mounting hole dimensions

Part No.	Dimensions (mm)		
	Round hole φ d	Plus-shaped hole A B	
PL-10	3.8	2.2	3.8
PL-20	3.8	2.2	3.8
PL-30	4.8	3.2	4.8

Mounting hole dimensions



Patchpul®

PJ series



Feature

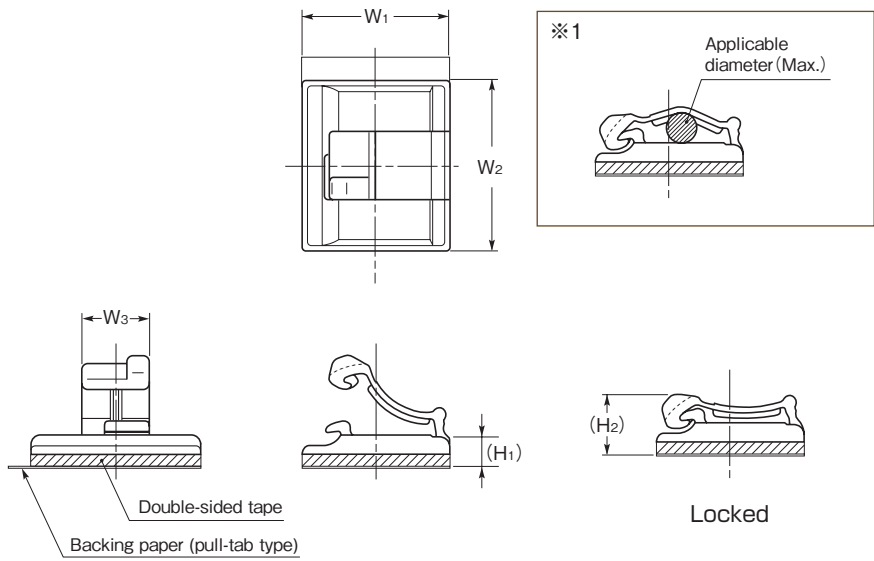
- These are lower height type of PA series.
- Hold wire firmly with the internal spring excelling in elasticity.
- Double-side adhesive tape type, smooth remove backing paper with pull-tab.

Material

Nylon 6 UL94V-2

Standard color

Black



Part No.	Applicable diameter (Max.) ※ 1	Dimensions (mm)					Packing unit (pieces)
		W ₁	W ₂	W ₃	(H ₁)	(H ₂)	
PJ-13B	φ 2.6	13	15	6	2.8	5.4	500
PJ-15B	φ 3.0	15	15	6	2.8	5.3	
PJ-21B	φ 3.8	21	15	8	2.8	5.3	

Reference P120

Please refer to the "Cautions concerning the use of product with the double-sided tape."

Clippul®

KU series



Feature

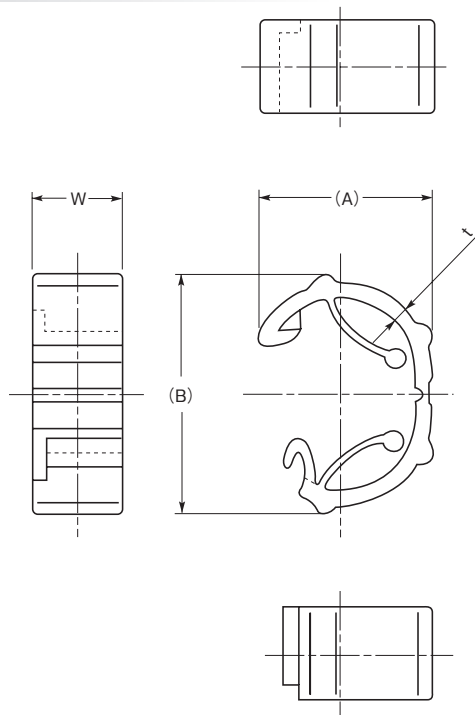
- For bundling and tying the wire and cable of electronic and electric devices.
- Hold wire firmly with the internal spring excelling in elasticity.

Material

Nylon 6

Standard color

UL94V-2: Natural
UL94V-0: White



Part No.		Applicable diameter	Dimensions (mm)				Packing unit (pieces)
UL94V-2	UL94V-0		(A)	(B)	W	t	
KU-3	KU-3U	φ 2 ~ φ 4	9.8	10.6	6.0	0.9	500
KU-5	KU-5U	φ 3.5 ~ φ 5.5	11.2	15.1	6.0	1.0	
KU-7	KU-7U	φ 5.5 ~ φ 8	14.6	18.5	6.0	1.1	

Rod clip

RC series



INSULATION SLEEVE
FOR TERMINAL

CIRCUIT BOARD ACCESSORY

WIRING CLAMP

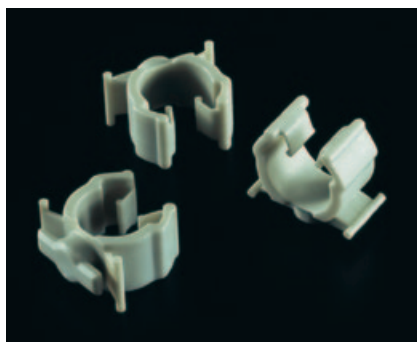
WIRING PROTECTOR

FASTENER

DIP-MOLDED PRODUCT

Re-usable type

RC-08U



RC-08SU



Locked : RC-08U



Feature

- Re-usable type that can be easily removed from the chassis.
- Can be used for holding the bundled wire, pipe etc., and excels for maintenance purpose.

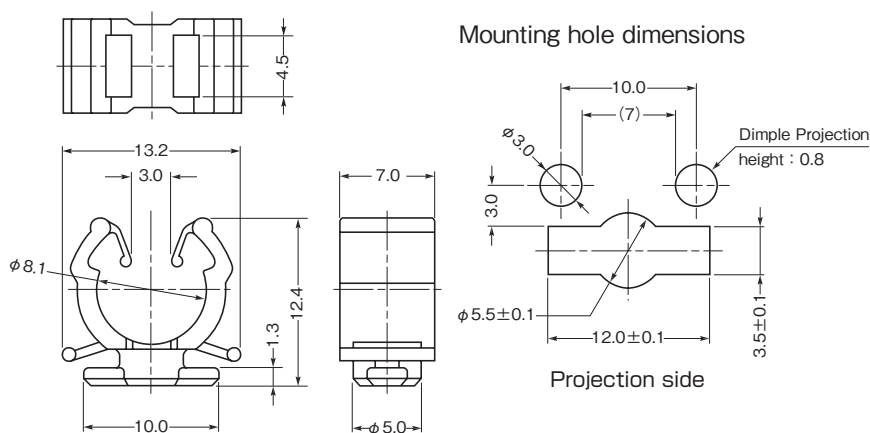
Material Nylon 6
UL94V-0

Standard color RC-08U: Gray
RC-08SU: White

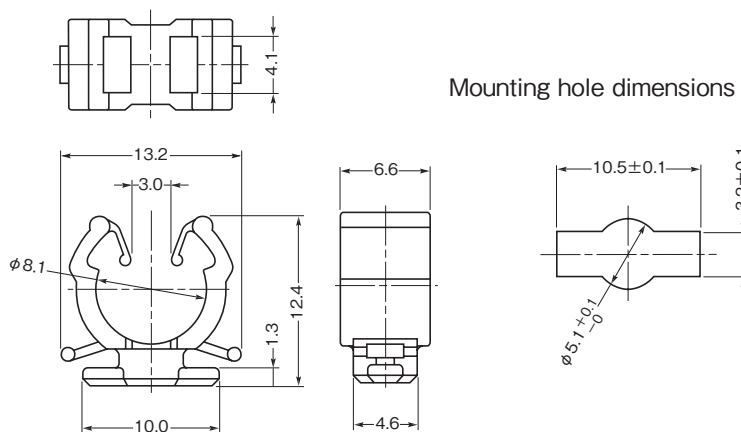
UL recognized product E191920
Cat. No. RC Rating: 85°C

Part No.	Dimensions (mm)		Packing unit (pieces)
	Applicable diameter (Max.)	Applicable board thickness	
RC-08U	φ 8	0.6 ~ 1.0	500
RC-08SU			

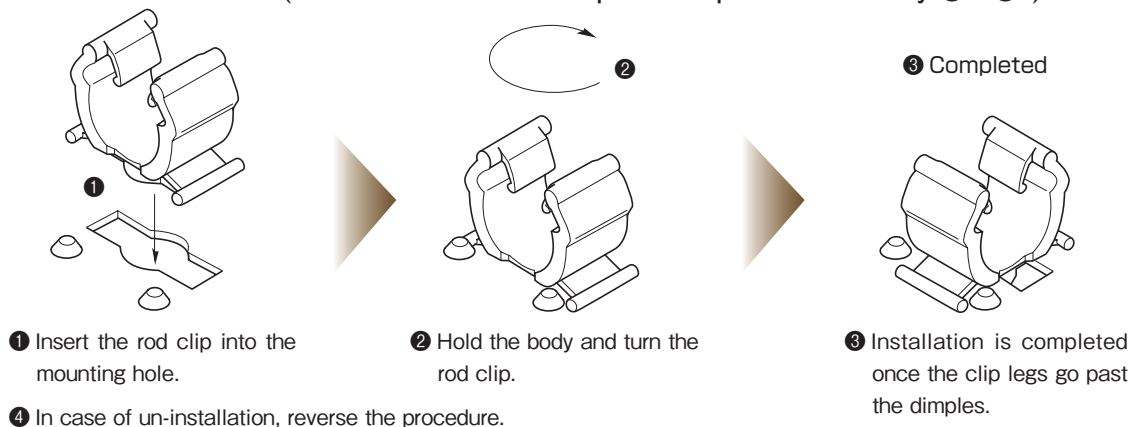
RC-08U



RC-08SU



Installation manual : RC-08U (RC-08SU: installation requires the procedure of only ①→②.)



Sensor holder

SH series



SH-05



Feature

- Hold sensors (thermistors, etc) having $\phi 1.3 \sim 1.5$ lead wire.
- Can be clipped onto sensors temporarily prior to itself mounted onto chassis.
- SH-05 maintain the uniform height of 4.8mm from the chassis to its center.
- SH-1545 maintain the uniform height of 15mm from the chassis to its center.
- By use of mounting hole 2, it protects the body from rotating.

Material

Nylon 66 UL94V-2

Standard color

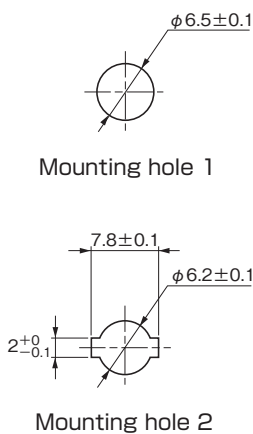
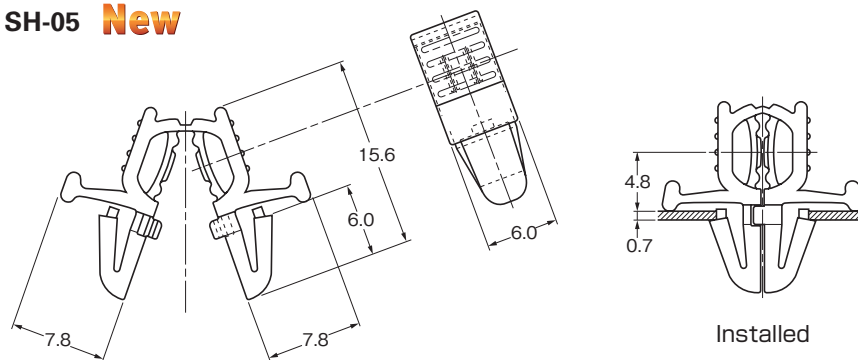
Natural

Part No.	Dimensions (mm)	Packing unit (pieces)
	Applicable board thickness	
SH-05	0.5 ~ 0.7	500
SH-1545		

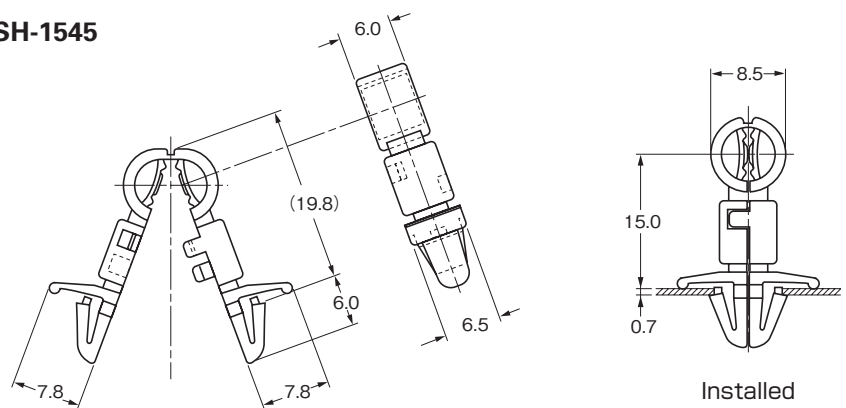
SH-1545



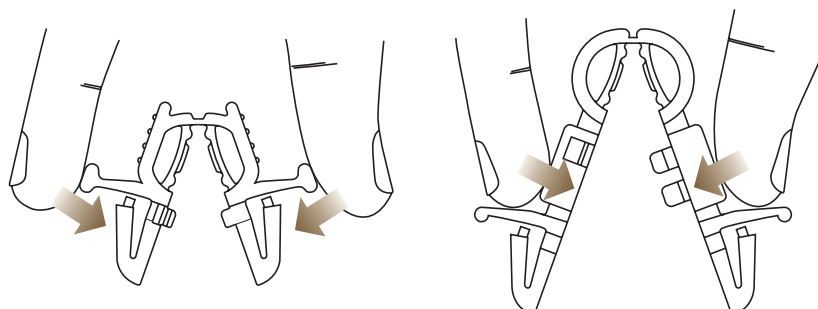
SH-05 **New**



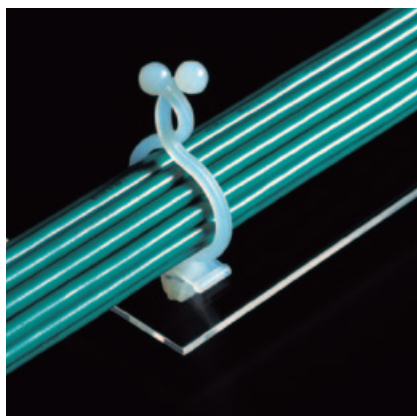
SH-1545



In case of clipping temporarily, hold the part indicated in the drawing and put the force towards the arrow.



Twist clip TC-2006



Feature

- For holding a bundle of wire and cable.
- Easy to bundle and release.
- After the installation, it will not rotate.

Material Standard color

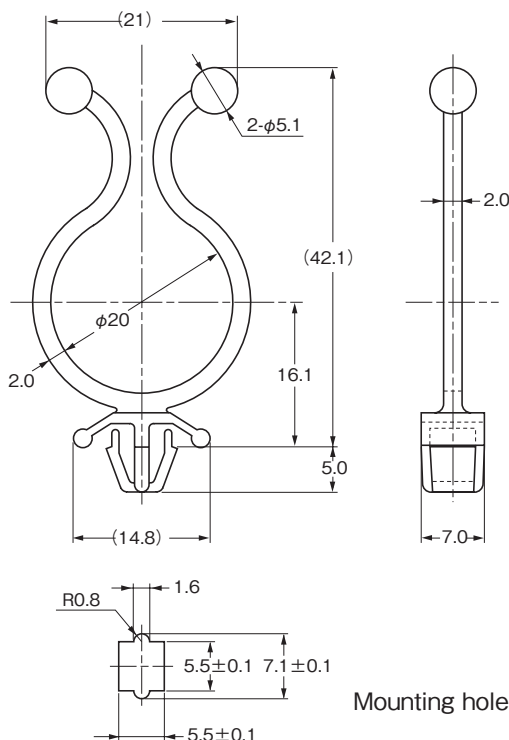
Nylon 6 Natural
UL94V-2



UL recognized product

E191920

Cat. No. TC-..... Rating: 65°C



Mounting hole dimensions

Part No.	Dimensions (mm)		Packing unit (pieces)
	Applicable board thickness		
TC-2006	0.8 ~ 1.6		500

Twist clip TCS series



Feature

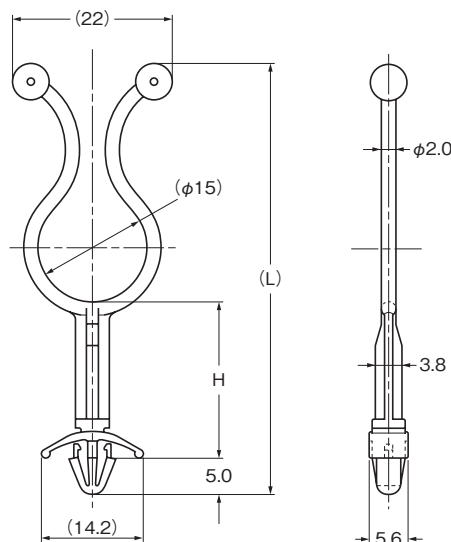
- For holding a bundle of wire and cable.
- Edge-less type having roundish body.
- Easy to bundle and release.
- Maintain the uniform height of the bundled wire.

Material

Nylon 66 UL94V-2

Standard color

Natural



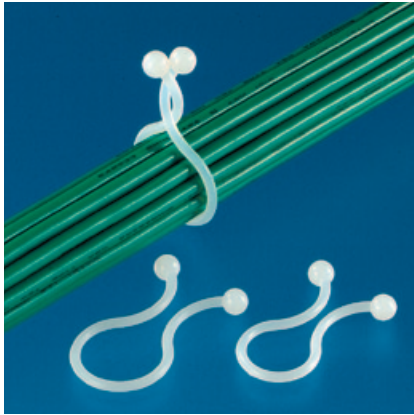
Part No.	H	(L)	Dimensions (mm)		Packing unit (pieces)
			Mounting hole	Applicable board thickness	
TCS-1512	11.6	49.6	$\phi 4.8$	0.6 ~ 2.0	500
TCS-1522	21.6	59.6			

Twist clip

TCR series

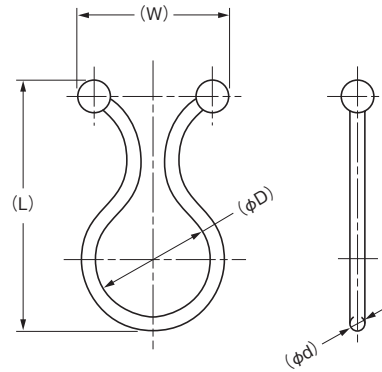


Re-usable type



Feature

- For holding a bundle of wire and cable.
- Edge-less type having roundish body.
- Easy to bundle and release.



Material

Nylon 66 UL94V-2

Standard color

Natural

Part No.	Dimensions (mm)				Packing unit (pieces)
	(W)	(L)	(φD)	(φd)	
TCR-05	16.4	21.0	5.2	1.8	500
TCR-08	18.1	25.5	8.3	1.8	
TCR-11	20.5	31.0	11.6	2.0	
TCR-15	22.0	35.0	15.0	2.0	
TCR-18	23.6	39.5	18.0	2.2	
TCR-20	25.1	42.5	20.0	2.2	
TCR-23	26.6	46.0	23.0	2.2	

Harness clip

HC series



Feature

- Best suited for small wiring.
- Save a lot of space due to compact sizing.

Material
 Nylon 6 UL94V-2
 Nylon 66 UL94V-0

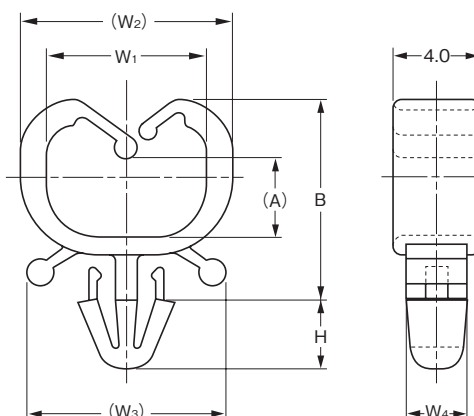
Standard color
 Nylon 6 Natural
 Nylon 66 White



UL recognized product

E191920

Cat. No. HC-6, -10 ·· Rating: 80°C



Part No.		Dimensions (mm)								Mounting hole	Applicable board thickness	Packing unit (pieces)
UL94V-2	UL94V-0	(A)	B	W ₁	W ₂	W ₃	W ₄	H				
HC-6	HC-6U	3.7	9.3	7.4	9.8	9.2	2.9	3.2	φ 3.0	0.6 ~ 1.6	500	
HC-10	HC-10U	8.1	15.0	9.4	12.0	12.2	3.4	3.0				φ 3.5

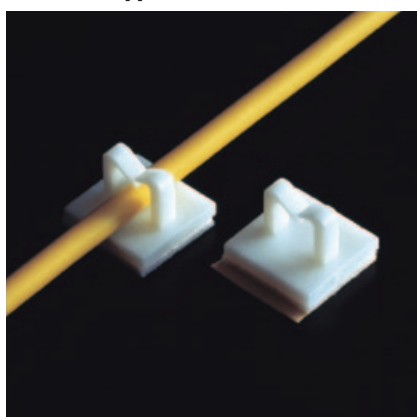
is UL recognized product.

Mini wire saddle

MWS series

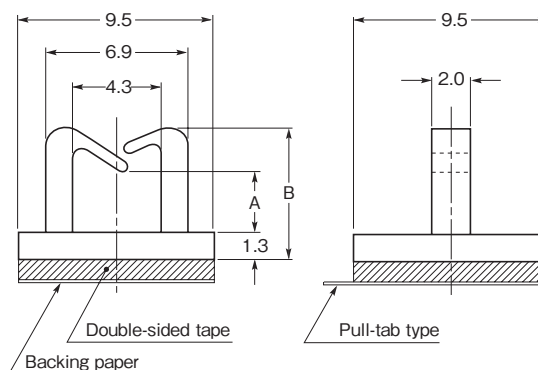


Pull-tab type



Feature

- Best suited for small wiring.
- Save a lot of space due to compact sizing.
- Double-side adhesive tape type, smooth remove backing paper with pull-tab.



Material

Nylon 66

Standard color

UL94V-2: Natural
 UL94V-0: White

Part No.		Dimensions (mm)		Packing unit (pieces)
UL94V-2	UL94V-0	A	B	
MWS-1B	MWS-1BU	3.0	6.4	500

Reference P120

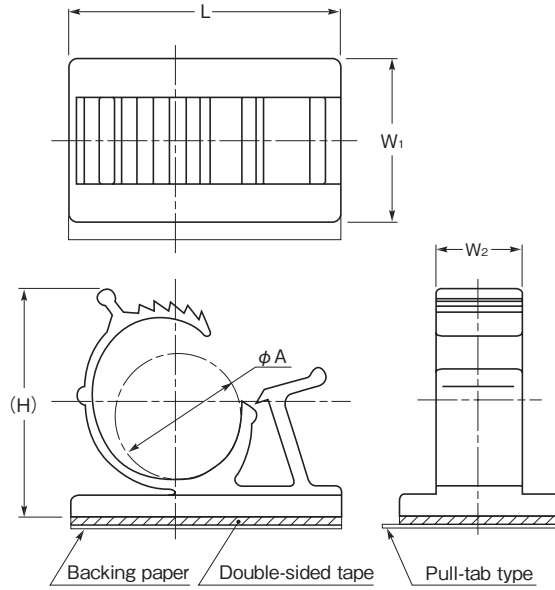
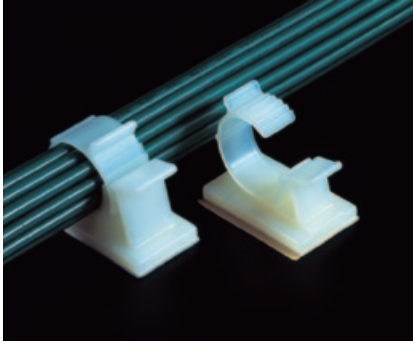
Please refer to the "Cautions concerning the use of product with the double-sided tape."

Just-fit clamp

JFC series



Pull-tab type



Feature

- For holding a bundle of wire and cable.
- Adjustable for the appropriate diameter with the five-stage ratch structure.
- Convenient owing to the single-push unlocking system.
- Double-side adhesive tape type, smooth remove backing paper with pull-tab.

Material Standard color

Nylon 66 Natural
UL94V-2

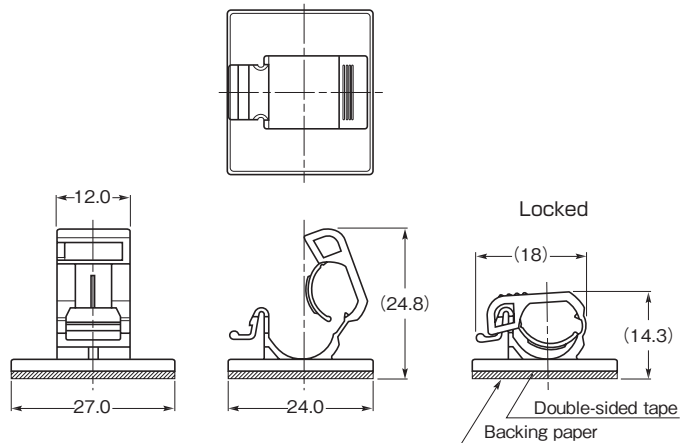
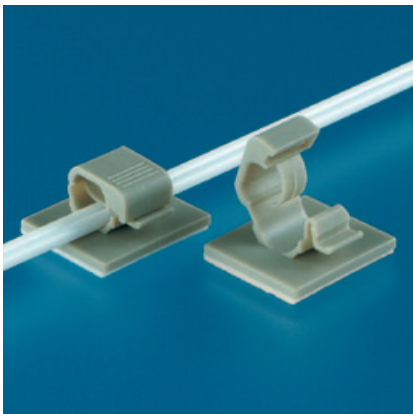
Part No.	Dimensions (mm)					Packing unit (pieces)
	L	W ₁	W ₂	(H)	(φA)	
JFC-1	25.4	19.1	10.2	22.0	7.8 ~ 9.8	100
JFC-2	31.8	19.1	10.2	26.9	11.4 ~ 14.3	
JFC-3	38.1	19.1	12.7	32.5	15.2 ~ 19.0	

Reference P120

Please refer to the "Cautions concerning the use of product with the double-sided tape."

Wire fixer

WF-08

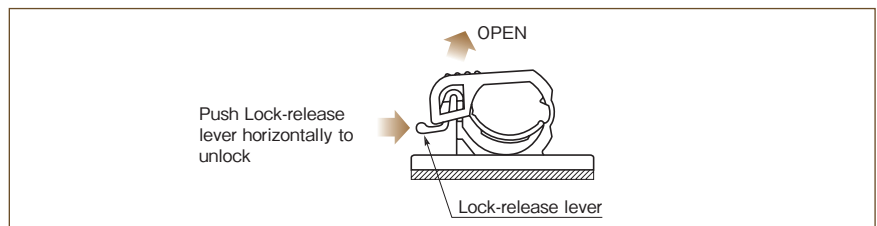


Feature

- For holding a bundle of wire and cable.
- Easily lockable with the fingertips.
- Hold the wire firmly due to the unique internal spring structure.

Material Standard color

Nylon 66 Gray
UL94V-2



Part No.	Applicable diameter (mm)	Packing unit (pieces)
WF-08	φ 8.0	100

Reference P120

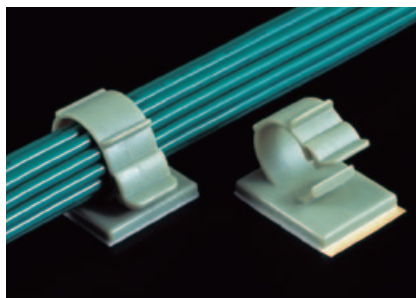
Please refer to the "Cautions concerning the use of product with the double-sided tape."

Wire clamp

S series



Pull-tab type



Feature

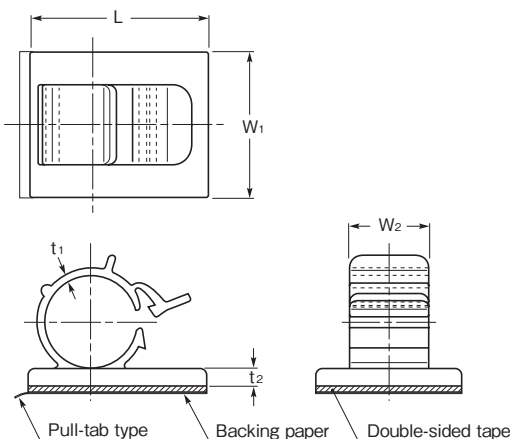
- For holding a bundle of wire and cable.
- Easily lockable, hard to come out, highly reliable.
- Double-side adhesive tape type, smooth remove backing paper with pull-tab.

Material

Nylon 6 UL94V-2

Standard color

Gray



Part No.	Applicable Dia. (Max.)	Dimensions (mm)					Packing unit (pieces)
		L ± 0.3	W1 ± 0.3	W2	t1	t2	
S-504	φ 4.5	12.0	17.5	5.0	0.9	1.9	100
S-506	φ 6.5	15.0	17.5	7.0	0.9	2.3	
S-508	φ 8.5	15.0	17.5	9.0	0.9	2.5	
S-510	φ 10.0	29.5	22.0	12.0	1.0	2.8	
S-514	φ 14.0	29.5	24.0	13.0	1.2	3.0	50
S-518	φ 18.0	29.5	27.0	14.0	1.2	3.0	
S-525	φ 25.0	45.0	34.0	17.5	1.5	3.0	20

Reference P120

Please refer to the "Cautions concerning the use of product with the double-sided tape."

Wire clamp With sponge

SSP series



Pull-tab type



Feature

- Wire clamp: This is the series that SL series having sponge at the wire holding part.
- Protect wire, optical fiber etc from the damage due to the sponge.
- Effective for shock/vibration absorption.

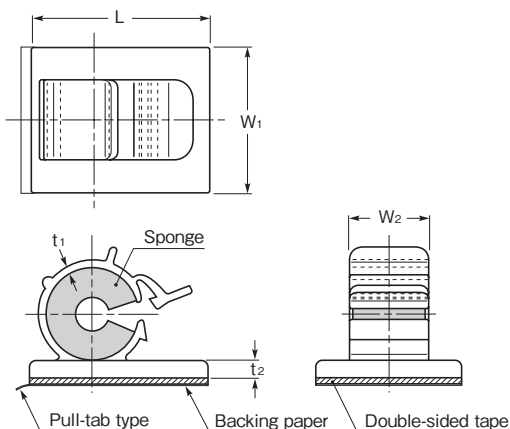
Material

Bodyng : Nylon 6 UL94V-2

Sponge : Synthetic rubber Hardness : 25

Standard color

Gray



Part No.	Applicable Dia. (Max.)	Dimensions (mm)					Packing unit (pieces)
		L ± 0.3	W1 ± 0.3	W2	t1	t2	
SSP-510	φ 6.0	29.5	22.0	12.0	1.0	2.8	50
SSP-514	φ 10.0	29.5	24.0	13.0	1.2	3.0	
SSP-518	φ 14.0	29.5	27.0	14.0	1.2	3.0	
SSP-525	φ 19.0	45.0	34.0	17.5	1.5	3.0	

Reference P120

Please refer to the "Cautions concerning the use of product with the double-sided tape."

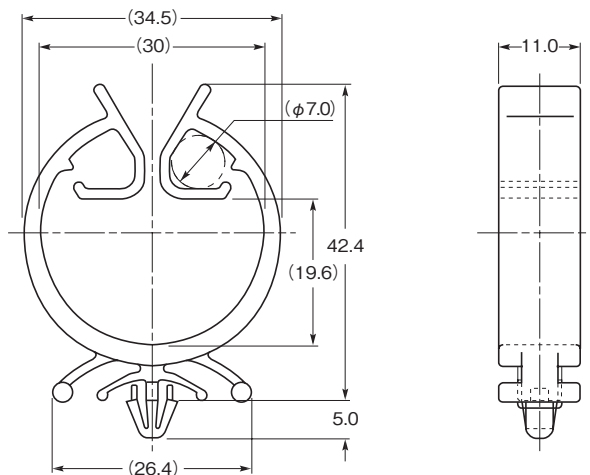
Wire clip

CW-3048



Feature

- For holding a bundle of wire and cable.
- Having 3 zones of storing wire and 2 zones can be used for holding branch lines.
- Can be fixed with single-push.
- Easy to hold and store wire.



Material

Nylon 6 UL94V-2

Standard color

Natural

Part No.	Dimensions (mm)		Packing unit (pieces)
	Mounting hole	Applicable board thickness	
CW-3048	φ 4.8	0.6 ~ 2.0	100

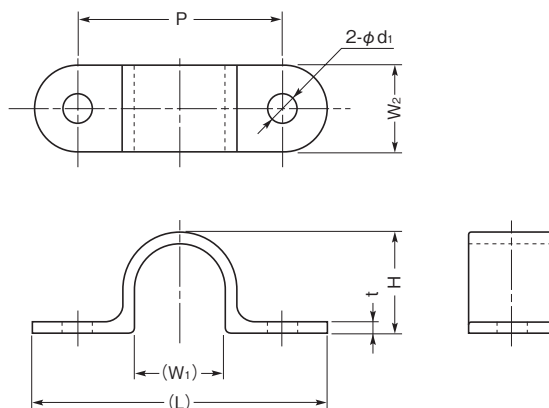
Wire saddle

P series



Feature

- Fix the bundle of wire and cable tightly with the fixation of screws.



Material

High-density polyethylene

Standard color

Natural

Part No.	Dimensions (mm)								Packing unit (pieces)
	Applicable Dia. (Max.)	W ₁	W ₂	P	L	H	φ d	t	
P-1	φ 11.8	11.8	15.0	24.0	38.0	13.8	4.2	2.0	200
P-2	φ 15.6	16.2	15.0	36.0	52.0	17.6	5.2	2.0	
P-3	φ 18.0	18.0	20.0	38.0	56.8	20.0	5.2	2.0	
P-4	φ 25.2	25.2	20.0	50.0	68.0	27.7	5.2	2.5	

Nylon clip / High-heat clip

SL series



INSULATION SLEEVE FOR TERMINAL
CIRCUIT BOARD ACCESSORY

WIRING CLAMP

WIRING PROTECTOR

FASTENER

DIP-MOLDED PRODUCT

61



Feature

- Fix the bundle of wire and cable tightly with the fixation of screws.
- Protect wire from damage owing to roundish shape inside the clip.
- Inner diameter is adjustable with SL-14N ~ SL-32N (see fig.2 and 3)
- Two different Materials are available depending on the use of temperature.

Material

Nylon 66 UL94V-2: Nylon clip
Nylon 46 UL94V-0: High-heat clip

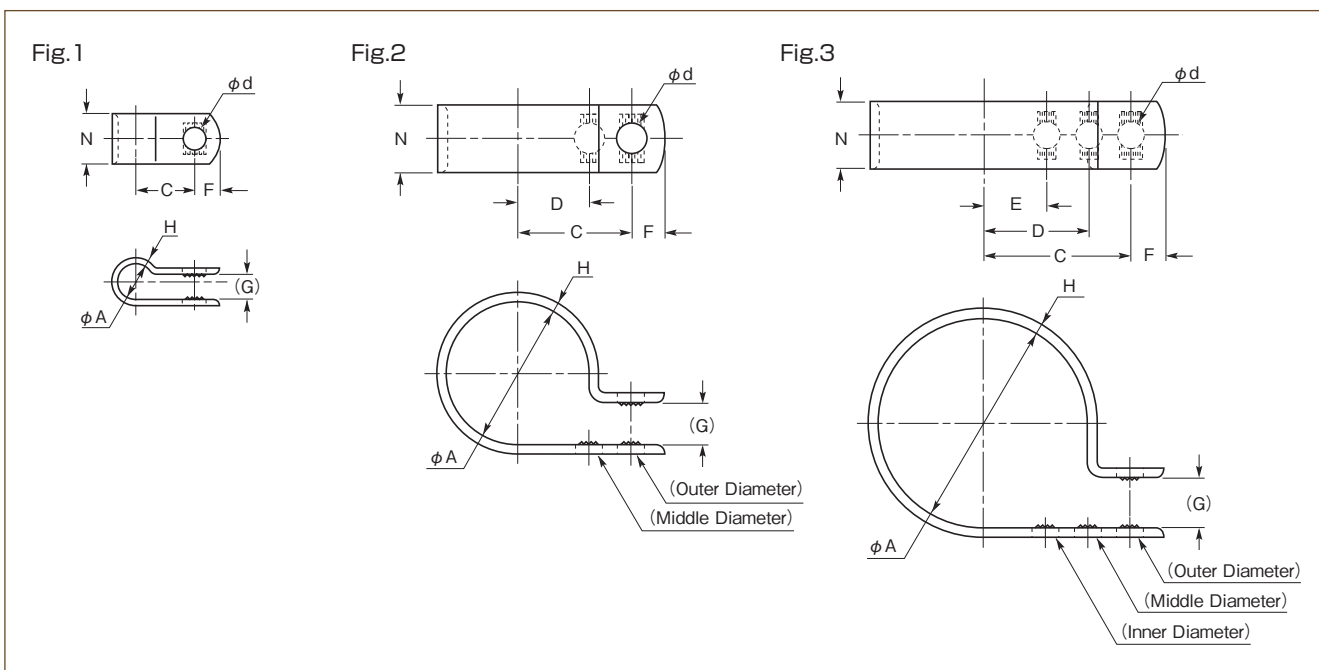
Standard color

Nylon 66: Natural
Nylon 46: White



UL recognized product E191920

Cat. No. SL-N Rating: 85°C



Nylon clip Part No.	High-heat clip Part No.	Dimensions (mm)									Internal Dia. Mounted (mm)			Fig.	Packing unit (pieces)		
		φ A	φ d	C	D	E	F	(G)	H	N	Outer hole	Middle hole	Inner hole				
UL94V-2	UL94V-0																
SL- 2N	SL-2H	3.3	4.3	9.5	—	—	4.8	3.2	1.1	9.5	3.0	—	—	1	100		
SL- 3N	SL-3H	5.3	4.3	10.3	—	—	4.8	4.8	1.1	9.5	4.6	—	—				
SL- 4N	SL-4H	6.8	4.3	11.1	—	—	4.8	4.8	1.1	9.5	5.6	—	—				
SL- 5N	SL-5H	8.4	4.3	11.9	—	—	※ 4.8	4.8	1.1	9.5	7.4	—	—				
SL- 6N	SL-6H	10.6	※ 4.3	12.7	—	—	※ 4.8	6.4	1.1	9.5	10.0	—	—				
SL- 7N	—	12.2	4.3	13.5	—	—	4.8	6.4	1.1	9.5	10.7	—	—				
SL- 8N	—	13.2	4.3	14.3	—	—	4.8	6.4	1.1	9.5	11.9	—	—				
SL- 9N	—	15.2	4.3	15.1	—	—	4.8	6.4	1.1	9.5	13.5	—	—				
SL-10N	—	16.0	4.3	15.9	—	—	4.8	6.4	1.1	9.5	14.0	—	—				
SL-11N	—	19.0	5.1	17.5	—	—	6.3	7.9	1.8	12.7	16.8	—	—			2	
SL-12N	—	19.8	5.1	18.2	—	—	6.3	7.9	1.8	12.7	17.8	—	—				
SL-13N	—	22.1	5.1	19.0	—	—	6.3	7.9	1.8	12.7	20.8	—	—	3	50		
SL-14N	—	22.9	5.1	19.8	11.9	—	6.3	7.9	1.8	12.7	21.3	18.5	—				
SL-16N	—	26.9	5.1	21.4	13.5	—	6.3	7.9	1.8	12.7	24.4	22.3	—				
SL-18N	—	29.2	5.1	23.0	15.1	—	6.4	7.9	1.8	12.7	26.7	24.1	—	3	25		
SL-24N	—	39.4	5.1	27.8	19.9	11.9	6.4	9.5	1.8	12.7	37.3	35.0	31.2				
SL-32N	—	52.1	5.1	34.1	24.6	13.5	6.4	9.5	1.8	12.7	48.8	46.2	43.7				

※ SL-6H only. φ d=4.8

※ SL-5H, 6H only. F=5.0

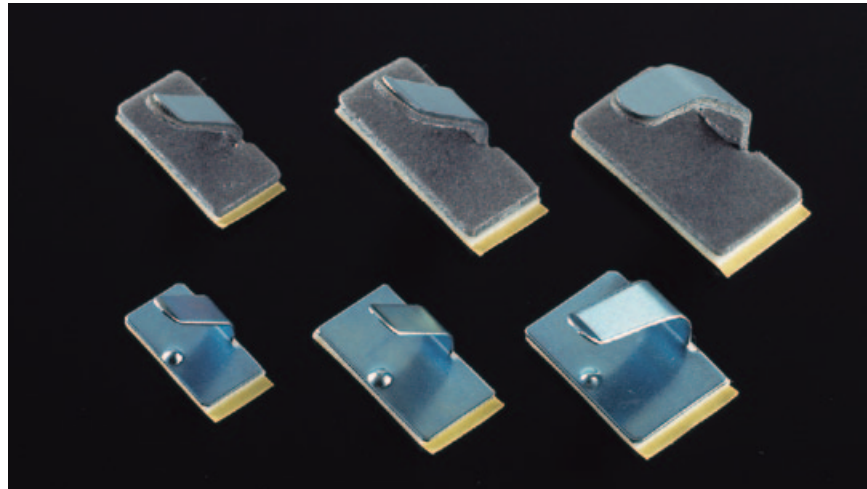
UL is UL recognized product.

● Hi-heat clip are heat-retardant. (Continuous use under temperature : 140°C)

Pitak® P series



Pull-tab type



Feature

- For holding cable and wire of electric and electronic devices.
- Double-side adhesive tape type, smooth remove backing paper with pull-tab.

Material

Unichromate-plated steel sheet (P-15 is made of aluminium.)

Insulation sponge stickers.

Material

- Color-galvanized steel sheet.
- Foam insulation material: Polyolefin foam t=1.0mm

Part No.				
P-15	P-18	P-20	P-23	P-25
Arm length: 8	13	15	20	23
100×20 pags = 2,000 pcs.	50×30 pags = 1,500 pcs.	50×20 pags = 1,000 pcs.	50×14 pags = 700 pcs.	50×10 pags = 500 pcs.

Part No.				
P-28	P-30	PW-20	PK-30	PG-30
29	15 (9)	13	23	33.5
50×8 pags = 400 pcs.	10×20 pags = 200 pcs.	50×14 pags = 700 pcs.	10×25 pags = 250 pcs.	10×20 pags = 200 pcs.

● Black Chrome-plated Pitak is available only with order-made. (Please contact us for production volume.)

Insulation sponge stickers

Feature

- A series of Pitak bearing insulating sponge protect the wiring coating.

Part No.				
P-102G	P-103G	P-104G	P-105G	P-106G
Arm length: 14.5	25	20	28	38
250 pcs.	250 pcs.	250 pcs.	250 pcs.	250 pcs.

Not all the product are listed here. Please contact us for further information.

Reference P120

Please refer to the "Cautions concerning the use of product with the double-sided tape."

Flaclip

A series/B series/C type/D type



INSULATION SLEEVE
FOR TERMINAL

CIRCUIT BOARD ACCESSORY

WIRING CLAMP

WIRING PROTECTOR

FASTENER

DIP-MOLDED PRODUCT



A series

Feature

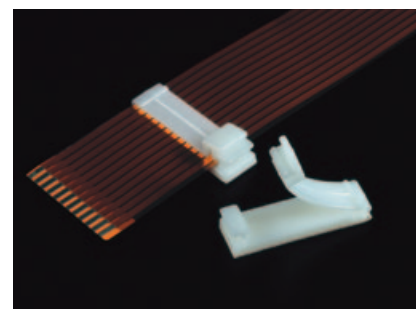
- Hold flat cable, ribbon wire etc.
- Three type of fixation method as double-sided, screw, and mounting legs for different usage. Also, the middle clip can be used for various usage.
- Can be used with multiple flat cable over to the other.



B series

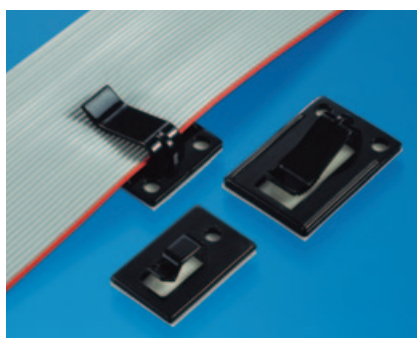


C type



D type

A series



Feature

- Hold flat cable, ribbon wire etc.
- Can be secured with either double-sided tape or screw.

Material

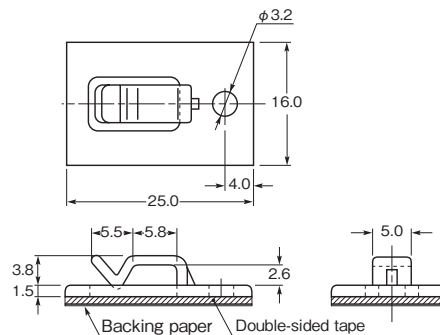
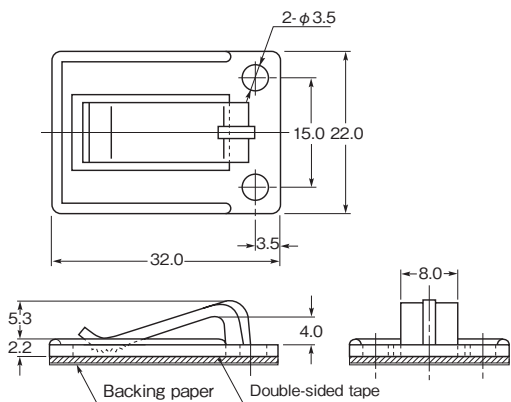
Polycarbonate UL94V-2: A-1, A-1S, A-2, A-2S
Nylon 6 UL94V-2: A-2N

Standard color

Polycarbonate Black
Nylon 6 Natural

A-1

A-2



Type	Part No.	Fixation method	Material	Flame-retardant	Standard color	Packing unit (pieces)		
A-1	A-1	Double-sided tape	Polycarbonate	UL94V-2	Black	500		
	A-1S	Screws						
A-2	A-2	Double-sided tape			Nylon 6		Natural	1,000
	A-2S	Screws						
	A-2N	Double-sided tape						

Reference P120

Please refer to the "Cautions concerning the use of product with the double-sided tape."



B series



Feature

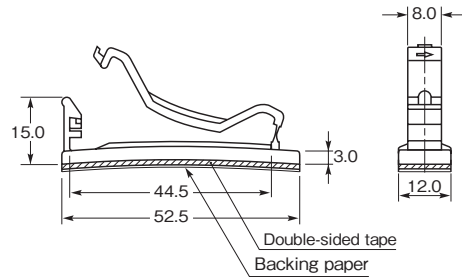
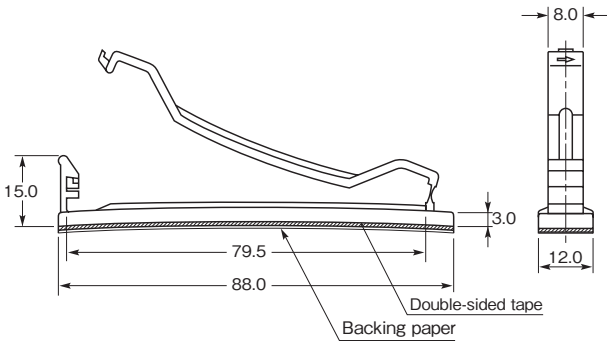
- Easy to secure flat cable owing to the arm lifting up high.
- Can be mounted upside down or in horizontal direction owing to the locking mechanism of arm.
- Easy to unlock and re-lock the arm at a time of maintenance.
- Can be mounted with 1 ~ 4 of cable over to the other.
- Part No.B-3, B-4 are for middle support clip for flat cable.

Material Standard color

Nylon 6 Black
UL94V-2

B-3T

B-4T



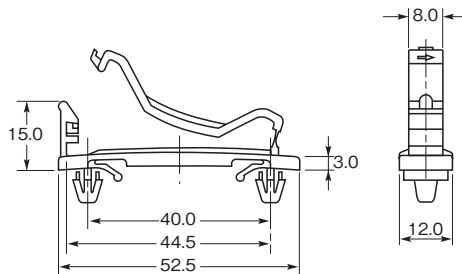
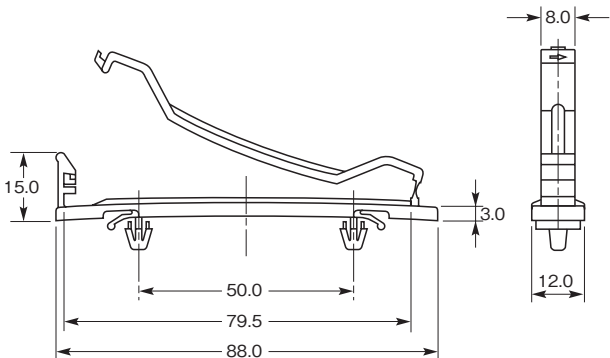
● B-3, B-4 Come without double-sided tape.

Type	Part No.	Fixation method	Max. no. of wire in flat cable	Applicable no-of flat cable	Packing unit (pieces)
B-3	B-3	(For middle support)	60 strands	1 ~ 4 cable	50
	B-3T	Double-sided tape			
	AB-3S	Mounting legs			
B-4	B-4	(For middle support)	34 strands	1 ~ 4 cable	100
	B-4T	Double-sided tape			
	AB-4S	Mounting legs			

Reference P120 Please refer to the "Cautions concerning the use of product with the double-sided tape."

B-3S

B-4S



Leg type (B-3S, B-4S)

Part No.	Dimensions (mm)		
	Mounting hole	Mounting leg pitch	Applicable board thickness
AB-3S	φ 4.8×2	50	0.8 ~ 2.0
AB-4S	φ 4.8×2	40	



E191920

Cat. No. B-S..... Rating: 80°C

is UL recognized product.



C type



Feature

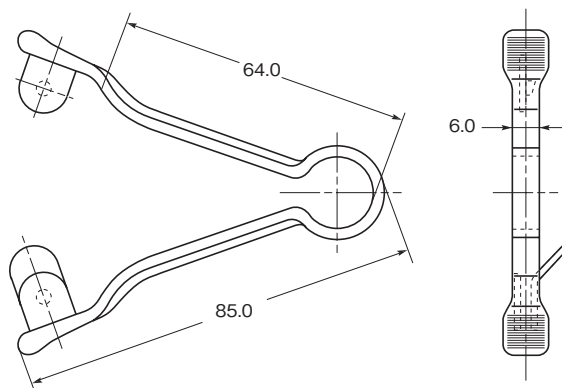
- For bundling the middle section of flat cable and ribbon wire crossover, etc.
- Easy to unlock and re-lock at a time of maintenance.
- Can hold up to 10 flat cable.

Material

Polycarbonate UL94V-2

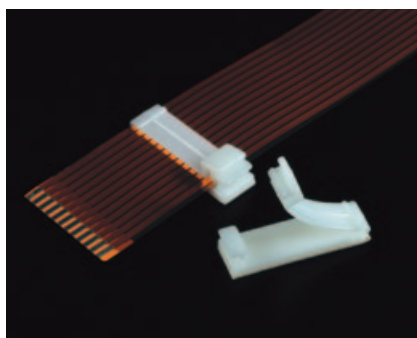
Standard color

Black



Part No.	Packing unit (pieces)
C-1	100

D type



Feature

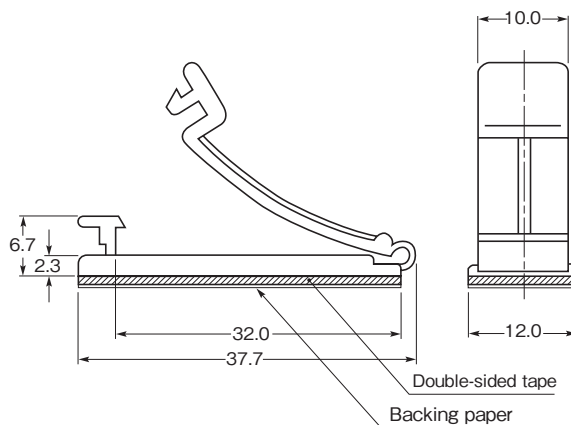
- Sister product of the Flacip series, designed for use with flexible printed circuits (FPSs)
- Easy to unlock and re-lock at a time of maintenance.
- Come with double-sided tape.

Material

Nylon 66 UL94V-2

Standard color

Natural



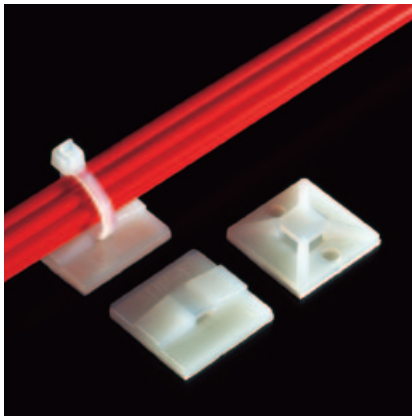
Part No.	Packing unit (pieces)
D	200

Reference P120

Please refer to the "Cautions concerning the use of product with the double-sided tape."

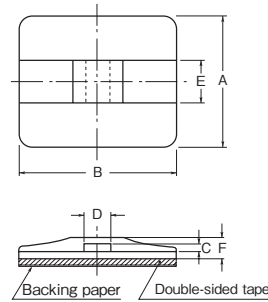
ANP base

ANP series



ANP

Fig.1



Part No.	Dimensions (mm)						Fig.	Packing unit (pieces)
	A	B	C	D	E	F		
ANP-1	20.0	20.0	1.6	3.6	7.0	3.8	1	1,000
ANP-2	25.0	30.0	1.7	5.0	8.2	4.2		500
ANP-3	30.0	40.0	2.8	8.2	12.0	6.0		200

Feature

- For combination use with cable tie.
- Come with double-sided tape.
- Applicable to any cable ties.
- ANP-○D allow the band to be inserted from all 4 directions, and can be fixed with screws.

Material

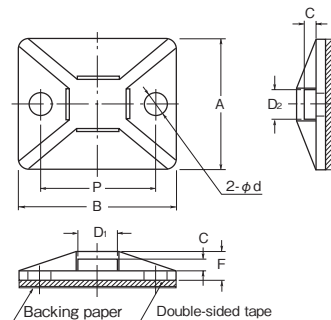
Nylon 6 UL94V-2

Standard color

Natural

ANP-D

Fig.2

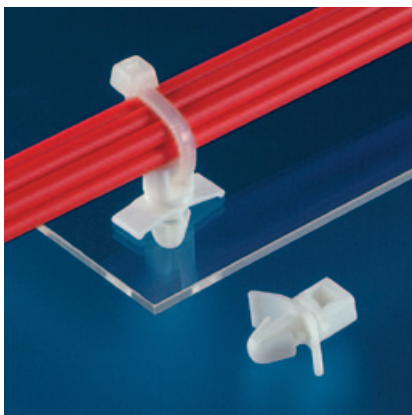


Part No.	Dimensions (mm)								Fig.	Packing unit (pieces)
	A	B	C	D ₁	D ₂	F	P	φ d		
ANP-SD	12.0	24.0	2.0	4.2	4.2	4.5	18.0	3.5	1	1,000
ANP-1D	19.2	19.2	1.6	4.4	4.4	4.0	13.6	3.2		500
ANP-2D	25.0	30.0	2.3	7.8	5.8	5.8	22.0	4.5		

Reference P120 Please refer to the "Cautions concerning the use of product with the double-sided tape."

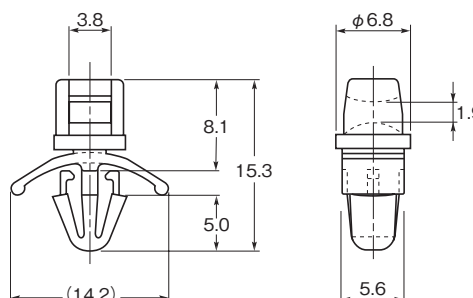
Cable tie holder

SFT series



Feature

- Shall be mounted in mounting hole.
- Applicable to the ties with 3.8mm width and less than 1.5mm thickness.



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

Part No.	Dimensions (mm)		Packing unit (pieces)
	Mounting hole	Applicable board thickness	
UL94V-2	UL94V-0	φ 4.8	500
SFT-3	SFT-3U	0.5 ~ 2.0	

A band

A series



Feature

- Made of soft PVC.
- Can be cut in the length of requirement.
- In case of securing band, exclusive button shall be used and can be removed.

A band

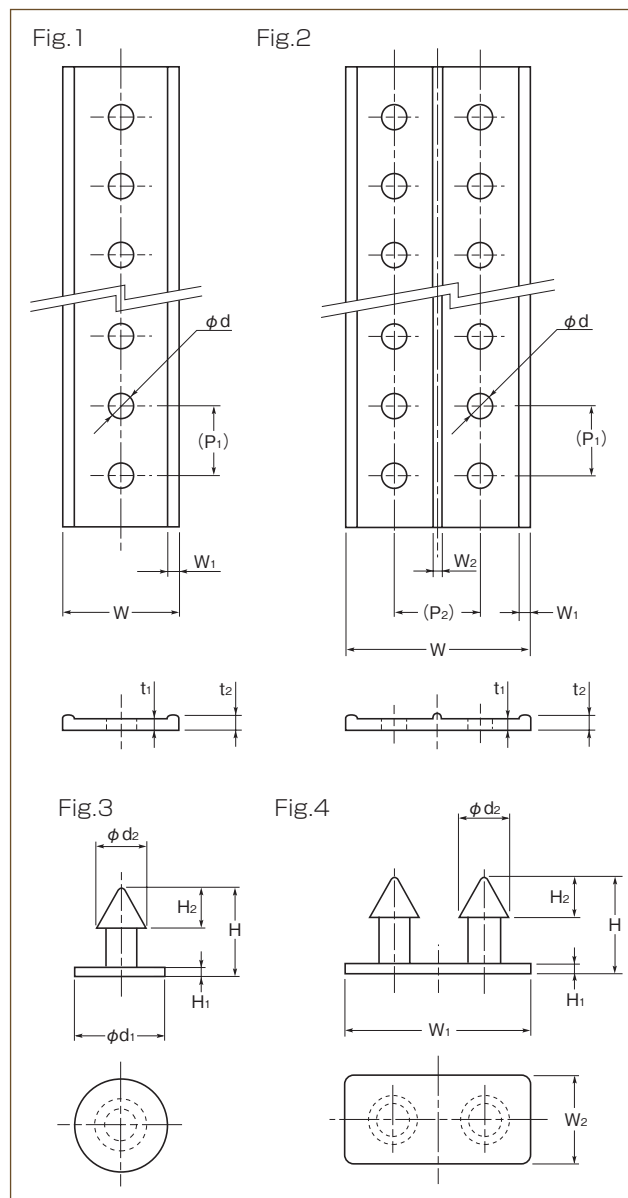
Material Standard color
Soft PVC Black, transparent (A-6, A-10);
Black (A-16, A-30)

Part No.	Dimensions (mm)						Button type	Fig.	Packing unit (m)	
	W	W ₁	W ₂	t ₁	t ₂	ϕ d (P ₁) (P ₂)				
A- 6	6	0.8	-	0.6	0.8	2.2	-	No.1	1	5×20 rolls
A-10	10	1.0	-	0.8	1.2		6	-	No.2	1
A-16	16	1.0	1.0	1.0	1.4	9	8	No.3	2	10× 1 rolls
A-30	30	1.5	1.5	1.5	2.0		15	No.4	2	10× 1 rolls

A band button

Material Standard color
Polyethylene Black, natural (No. 1, No. 2); Black (No. 3, No. 4)

Part No.	Dimensions (mm)							Fig.	Packing unit (pieces)
	H	H ₁	H ₂	W ₁	W ₂	ϕ d ₁	ϕ d ₂		
Button No.1	6.3	0.8	2.5	-	-	5.0	3.6	3	1,000
Button No.2	7.8	0.8	3.6	-	-	7.8	4.4		500
Button No.3	8.4	0.8	3.6	15.8	7.6	-	4.4	4	100
Button No.4	9.5	1.8	3.0	28.4	7.6	-	4.2		



Mini belt

B/C

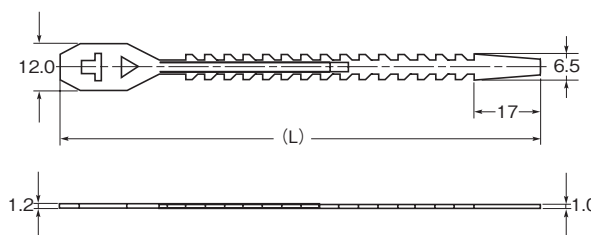


Feature

- For bundling power cord etc of various electric and electronic devices.

Material
Polyethylene

Standard color
Natural



Part No.	Dimensions (mm)		Packing unit (pieces)
	(L)	Maximum inside dia	
Mini belt B	125	ϕ 30	1,000
Mini belt C	150	ϕ 38	

Free band & buckle

FB-11/BC-11



Feature

- Best suited for bundling thick wire, pipe etc. owing to free size.
- Can be cut in the length of requirement.
- Can be fixed firmly with high tensile strength.
- Can be removed
- Excellent in heat/water-resistant.

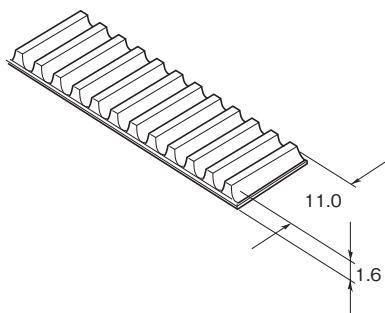
Material

PBT UL94V-2

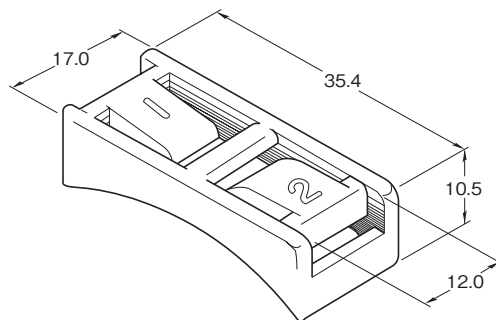
Standard color

Black

Free band



Buckle

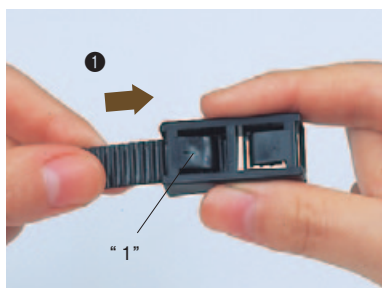


Model	Part No.	Packing unit (pieces)
Free band	FB-11	100m
Buckle	BC-11	200 pieces

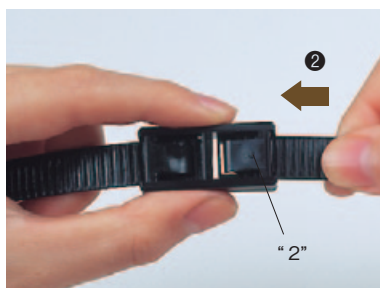
● Tensile strength 637 N (65 kgf)

(This data is only for the reference, but not for any warranty of the product.)

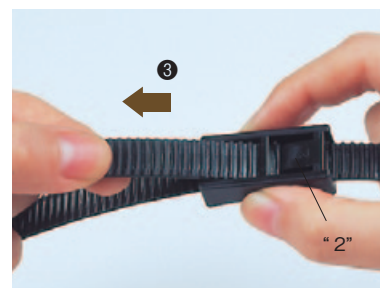
Installation manual



① Cut the band in length of requirement and insert in "1".



② Wrap the band around the object and insert it in "2".



③ Hold the buckle firmly and pull the band tightly.

④ At a time of un-installation, lift up "2" with drivers or such and un-lock/release.