



IP67



- Weatherproof cable gland equipped with high ultraviolet and degradation resistant silicone sealing insert and O-ring.
- Recommended to use outdoors where waterproofing is critical.
- Protection class equivalent to IP67.

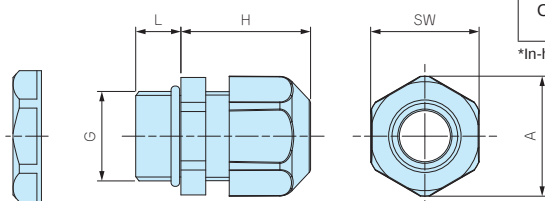
Components

■ PA = Polyamide

No.	Part name	Material
1	Cap	PA66 UL94V-2
2	Sealing insert	Silicone
3	Connector	PA66 UL94V-2
4	O-ring	Silicone
5	Lock nut	PA66 UL94V-2

RMW dimensions

- DXF/DWG/PDF drawings available on our website.



Technical Data

Protection class : Equivalent to IP67*
Operating temperature : -20°C ~ +80°C

*In-house test

Cap design varies by size



RMW40 or smaller



RMW50

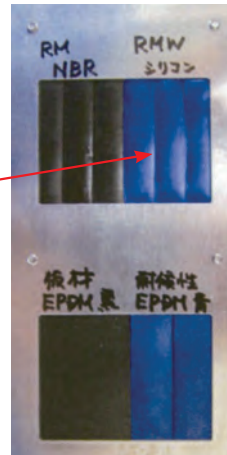
- Lock nut is not included for RMW10S-6.
- Please drill a proper thread hole into the enclosure for installation.

Product no. / Details

Product no.		G		Cable range		L	H Max	SW	A	Pack of
● Black	● Light gray	Thread size	Mounting hole	Min	Max					
RMW8L-2.5B	RMW8L-2.5S	M8×1.25	Φ8.2	1	2.5	13	19.5	12	13.6	1
RMW8L-4B	RMW8L-4S	M8×1.25	Φ8.2	2.5	4	13	19.5	12	13.6	1
RMW10S-6B	RMW10S-6S	M10×1.5	—	3	6	8	20.5	13	14.6	1
RMW10L-6B	RMW10L-6S	M10×1.5	Φ10.2	3	6	13	20.5	13	14.6	1
RMW12S-7B	RMW12S-7S	M12×1.5	Φ12.2	3.5	7	9	20.5	16	17.7	1
RMW12L-7B	RMW12L-7S	M12×1.5	Φ12.2	3.5	7	14.5	20.5	16	17.7	1
RMW16S-8B	RMW16S-8S	M16×1.5	Φ16.2	4	8	9	23.5	19.2	21.3	1
RMW16L-8B	RMW16L-8S	M16×1.5	Φ16.2	4	8	15	24	19.2	21.3	1
RMW20S-12B	RMW20S-12S	M20×1.5	Φ20.2	6	12	10	29	24.3	26.8	1
RMW20L-12B	RMW20L-12S	M20×1.5	Φ20.2	6	12	15	28.5	24.3	26.8	1
RMW25L-17B	RMW25L-17S	M25×1.5	Φ25.2	11	17	15	35	33.3	36.8	1
RMW32L-21B	RMW32L-21S	M32×1.5	Φ32.3	13	21	15	38	36.1	39.8	1
RMW40L-27B	RMW40L-27S	M40×1.5	Φ40.3	18	27	18	43.5	46.1	51.2	1
RMW50L-38B	RMW50L-38S	M50×1.5	Φ50.4	27	38	20	50.5	60	66.5	1
RMW10L-6B-P	RMW10L-6S-P	M10×1.5	Φ10.2	3	6	13	20.5	13	14.6	100
RMW12S-7B-P	RMW12S-7S-P	M12×1.5	Φ12.2	3.5	7	9	20.5	16	17.7	100
RMW12L-7B-P	RMW12L-7S-P	M12×1.5	Φ12.2	3.5	7	14.5	20.5	16	17.7	100
RMW16S-8B-P	RMW16S-8S-P	M16×1.5	Φ16.2	4	8	9	23.5	19.2	21.3	100
RMW16L-8B-P	RMW16L-8S-P	M16×1.5	Φ16.2	4	8	15	24	19.2	21.3	100
RMW20S-12B-P	RMW20S-12S-P	M20×1.5	Φ20.2	6	12	10	29	24.3	26.8	100
RMW20L-12B-P	RMW20L-12S-P	M20×1.5	Φ20.2	6	12	15	28.5	24.3	26.8	100

RMW series silicone sealing insert weatherproof test report

Object: Cut into a piece of the silicone sealing insert from RMW series and attach it onto an aluminium plate.
For comparison, NBR sealing insert from our RM and EPDM sealing insert from another manufacturer is also attached.



Before



After

Testing conditions

Equipment : 7.5kW Super Xenon Weather Meter SX75 (Suga Test Instruments Co., Ltd.- <http://www.sugatest.co.jp/english/>)
Conditions : JIS B7754 : 1991

Testing with an authorized Xenon arc lamp weathering test equipment under the conditions denoted below.

Irradiance : 180W/m^2 at 300-400nm

Black Panel Temperature : $63\pm 3^\circ\text{C}$ Humidity Range : $50\pm 10\%$

Cycle Conditions : 120 minutes cycle (18 minutes irradiation + water spray - 102 minutes irradiation)

2,000 hours (equivalent to a period of 4 years under natural conditions)

Time period :

Total radiant exposure : 1296MJ/m^2

Test result (visual / touch inspection)

Silicone sealing insert material : No cracks, no gloss transition, no powder - no appearance change at all. Flexibility remains unchanged.

Before



After



NBR material from our RM series : Lost glossiness on the surface and material is stiffened.

Before



After

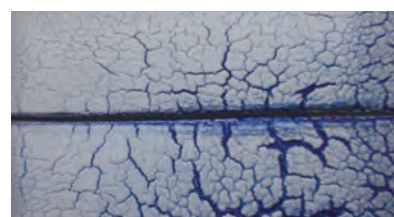


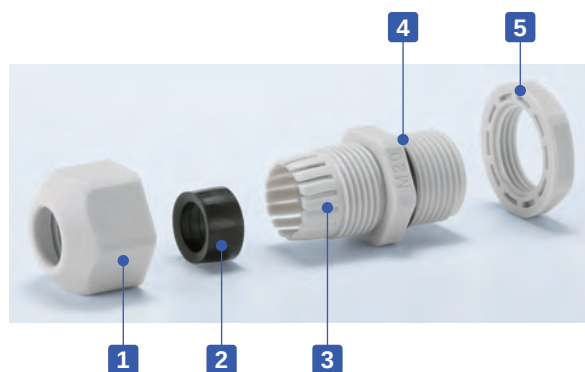
EPDM material from weatherproof cable gland of another manufacturer : Cracked, color drastically faded and powder appeared on the surface.

Before



After





- Low cost cable glands made from polyamide material.
- Wide selection, for M8 ~ M63, suitable for $\Phi 1\text{mm} \sim \Phi 44\text{ mm}$ cable.
- High oil resistant NBR rubber sealing and O-ring.
- Protection class equivalent to IP67.

Technical Data

Protection class : Equivalent to IP67*
Operating temperature : $-20^{\circ}\text{C} \sim +80^{\circ}\text{C}$

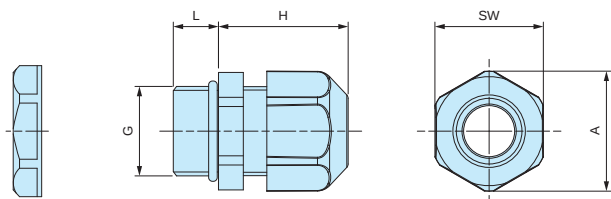
*In-house test

Components

■ PA = Polyamide

No.	Part name	Material
1	Cap	PA66 UL94V-2
2	Sealing insert	NBR
3	Connector	PA66 UL94V-2
4	O-ring	NBR
5	Lock nut	PA66 UL94V-2

RM dimensions ■ DXF/DWG/PDF drawings available on our website.



- Lock nut is not included for RM8S-2.5, 8S-4, and 10S-6 models.

Please drill an appropriate thread hole into the enclosure for installation.

Cap design varies by size



Product no. / Details

Product no.		G		Cable range		L	H Max	SW	A	Pack of
● Black	● Light gray	Thread size	Mounting hole	Min	Max					
RM8S-2.5B	RM8S-2.5S	M8×1.25	—	1	2.5	7.5	19.5	12	13.6	1
RM8L-2.5B	RM8L-2.5S	M8×1.25	$\Phi 8.2$	1	2.5	13	19.5	12	13.6	1
RM8S-4B	RM8S-4S	M8×1.25	—	2.5	4	7.5	19.5	12	13.6	1
RM8L-4B	RM8L-4S	M8×1.25	$\Phi 8.2$	2.5	4	13	19.5	12	13.6	1
RM10S-6B	RM10S-6S	M10×1.5	—	3	6	8	20.5	13	14.6	1
RM10L-6B	RM10L-6S	M10×1.5	$\Phi 10.2$	3	6	13	20.5	13	14.6	1
RM12S-7B	RM12S-7S	M12×1.5	$\Phi 12.2$	3.5	7	9	20.5	16	17.7	1
RM12L-7B	RM12L-7S	M12×1.5	$\Phi 12.2$	3.5	7	14.5	20.5	16	17.7	1
RM16S-8B	RM16S-8S	M16×1.5	$\Phi 16.2$	4	8	9	23.5	19.2	21.3	1
RM16L-8B	RM16L-8S	M16×1.5	$\Phi 16.2$	4	8	15	24	19.2	21.3	1
RM20S-12B	RM20S-12S	M20×1.5	$\Phi 20.2$	6	12	10	29	24.3	26.8	1
RM20L-12B	RM20L-12S	M20×1.5	$\Phi 20.2$	6	12	15	28.5	24.3	26.8	1
RM25L-17B	RM25L-17S	M25×1.5	$\Phi 25.2$	11	17	15	35	33.3	36.8	1
RM32L-21B	RM32L-21S	M32×1.5	$\Phi 32.3$	13	21	15	38	36.1	39.8	1
RM40L-27B	RM40L-27S	M40×1.5	$\Phi 40.3$	18	27	18	43.5	46.1	51.2	1
RM50L-38B	RM50L-38S	M50×1.5	$\Phi 50.4$	27	38	20	50.5	60	66.5	1
RM63L-44B	RM63L-44S	M63×1.5	$\Phi 63.4$	37	44	20	53	68	75.5	1
RM10L-6B-P	RM10L-6S-P	M10×1.5	$\Phi 10.2$	3	6	13	20.5	13	14.6	100
RM12S-7B-P	RM12S-7S-P	M12×1.5	$\Phi 12.2$	3.5	7	9	20.5	16	17.7	100
RM12L-7B-P	RM12L-7S-P	M12×1.5	$\Phi 12.2$	3.5	7	14.5	20.5	16	17.7	100
RM16S-8B-P	RM16S-8S-P	M16×1.5	$\Phi 16.2$	4	8	9	23.5	19.2	21.3	100
RM16L-8B-P	RM16L-8S-P	M16×1.5	$\Phi 16.2$	4	8	15	24	19.2	21.3	100
RM20S-12B-P	RM20S-12S-P	M20×1.5	$\Phi 20.2$	6	12	10	29	24.3	26.8	100
RM20L-12B-P	RM20L-12S-P	M20×1.5	$\Phi 20.2$	6	12	15	28.5	24.3	26.8	100
RM25L-17B-P	RM25L-17S-P	M25×1.5	$\Phi 25.2$	11	17	15	35	33.3	36.8	100

RSP series

STRAIN RELIEF CABLE GLAND



- A total of 14 models available for selection.
- Strain relief cap protects cables by preventing it from bending beyond its limit and breaking.
- Economical price but high waterproofing capability equivalent to IP67.

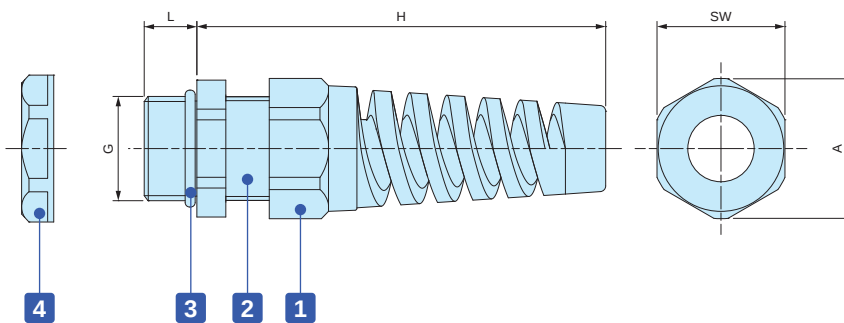
Technical Data

Protection class : Equivalent to IP67*
Operating temperature : -20°C ~ +80°C

*In-house test

RSP dimensions

■ DXF/DWG/PDF drawings available on our website.



Components

■ PA = Polyamide

No.	Part name	Material
1	Strain relief cap	PA66 UL94V-2
-	Sealing insert	NBR
2	Connector	PA66 UL94V-2
3	O-ring	NBR
4	Lock nut	PA66 UL94V-2

Product no. / Details

Product no.		G		Cable range		L	H	SW	A	Pack of
● Black	● Light gray	Thread size	Mounting hole	Min	Max					
RSP 8-2.5B	RSP 8-2.5S	M 8×1.25	Φ 8.2	1	2.5	10.5	48	12.1	13.8	1
RSP 8-4B	RSP 8-4S	M 8×1.25	Φ 8.2	2.5	4	10.5	48	12.1	13.8	1
RSP10-6B	RSP10-6S	M10×1.5	Φ10.2	3	6	12.2	54	13.1	14.5	1
RSP12-6B	RSP12-6S	M12×1.5	Φ12.2	3.5	6	9	62	16	17	1
RSP16-8B	RSP16-8S	M16×1.5	Φ16.2	4	8	9	69	19.5	21	1
RSP20-11B	RSP20-11S	M20×1.5	Φ20.2	6	11	10	82	24	26	1
RSP25-16B	RSP25-16S	M25×1.5	Φ25.2	11	16	12	102	33	36	1



- High water protection IP68 (1bar / 30min) polyamide cable gland.
- Wide selection, for M8 ~ M50, suitable for $\Phi 2.5\text{mm}$ ~ $\Phi 42\text{ mm}$ cable.
- Super tough and superior heat resistant PA6GF (glass fiber filled PA6) material on cap and connector.
- Safer halogen free, eco-friendly product.

Technical Data

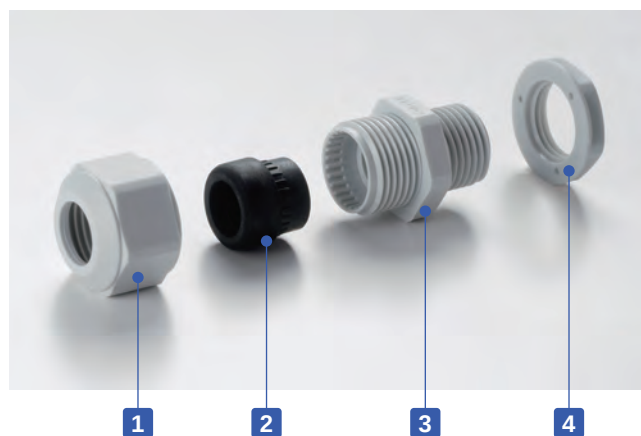
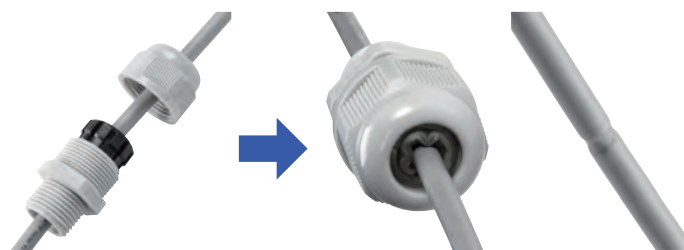
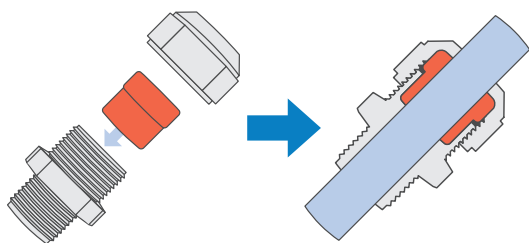
Protection class : IP68 1bar / 30min
 Operating temperature : -20°C ~ $+100^{\circ}\text{C}$
 Compliant with EN50262 Ver. A

AG series

Thicker sealing insert evenly hold a cable by having a larger holding area.
 Remains durable even after repeated tightening / loosening.

Lamellar insert type

If over-tightened, it can cause the rubber bush or cable to deform, which can allow water to seep in.



Components

■ PA6GF = Polyamide6 Glass Fiber Filled

No.	Part name	Material
1	Cap	PA6GF
2	Sealing insert	TPE
3	Connector	PA6GF
4	Lock nut	PA6

■ Lock nut is not included for M8 and M10 sizes.
 Please drill an appropriate thread hole into the enclosure for installation.

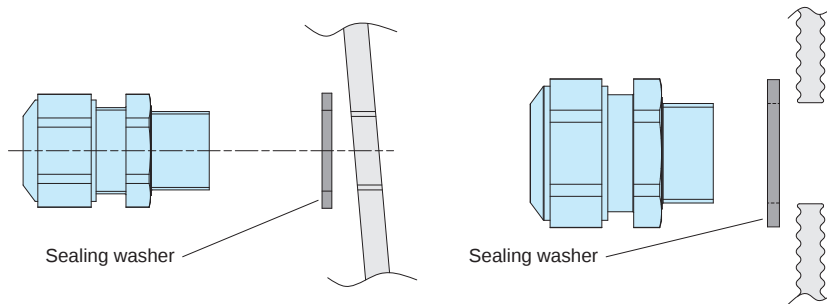
- Appropriate tightening torque varies by each cable diameter.
 Tighten the cap until top of the sealing insert forms a small bead between the cap and the cable.



■ No optional sealing washer is required when installing on an even surface because of the built-in waterproof rib.

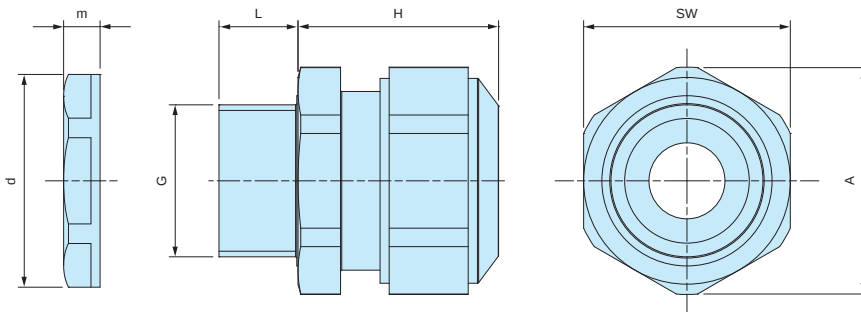
■ An optional sealing washer is required when installing on an uneven surface. (See website for more information on the optional sealing washer AGP series)

Waterproof rib



AG dimensions

■ DXF/DWG/PDF drawings available on our website.



■ Lock nut is not included for M8 and M10 sizes.

Please drill an appropriate thread hole into the enclosure for installation.

Product no. / Details

Product no.		G		Cable range		L	H Max	SW	A	d	m	Pack of
● Black	● Light gray	Thread size	Mounting hole	Min	Max							
AG8-3.5B	AG8-3.5S	M8×1.0	—	2.5	3.5	10	17	12	13.2	—	—	1
AG8-5B	AG8-5S	M8×1.0	—	3.5	4.7	10	17	12	13.2	—	—	1
AG10-6B	AG10-6S	M10×1.0	—	4	6	10	19	15	16.5	—	—	1
AG12-5B	AG12-5S	M12×1.5	Φ12.2	3.5	4.7	12	23.5	17	18.7	18.8	5	1
AG12-6.5B	AG12-6.5S	M12×1.5	Φ12.2	5	6.5	12	23	17	18.7	18.8	5	1
AG12-8B	AG12-8S	M12×1.5	Φ12.2	6.5	7.8	12	23	17	18.7	18.8	5	1
AG16-10B	AG16-10S	M16×1.5	Φ16.2	8	10	12	26	21	23.1	24.3	5	1
AG20-15B	AG20-15S	M20×1.5	Φ20.2	11	15	13	27	27	29.7	29	6	1
AG25-16B	AG25-16S	M25×1.5	Φ25.2	12.5	16	13	34	34	37.4	36	6.7	1
AG25-20B	AG25-20S	M25×1.5	Φ25.2	16	20	13	34	34	37.4	36	6.7	1
AG32-25.5B	AG32-25.5S	M32×1.5	Φ32.3	21	25.5	15	36	41	45.6	46	8	1
AG40-28.5B	AG40-28.5S	M40×1.5	Φ40.3	24	28.5	15	41	50	55.4	53.5	9	1
AG40-33B	AG40-33S	M40×1.5	Φ40.3	28.5	33	15	41	50	55.4	53.5	9	1
AG50-37B	AG50-37S	M50×1.5	Φ50.4	33	37	16	45	60	65.5	66	9.6	1
AG50-42B	AG50-42S	M50×1.5	Φ50.4	37	42	16	45	60	65.5	66	9.6	1

RMH series

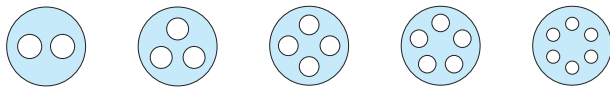
MULTI-HOLE CABLE GLAND



- Multihole cable gland with M threads.
- Multiple cables can be protected with single cable gland.
- Equivalent to IP65 protection class.
- Please use cables of the same diameter.



Up to a maximum of 6 cables can be protected with 1 cable gland.



Technical Data

Protection class : equivalent to IP65
Operating temperature : -20°C ~ +80°C

*In-house test

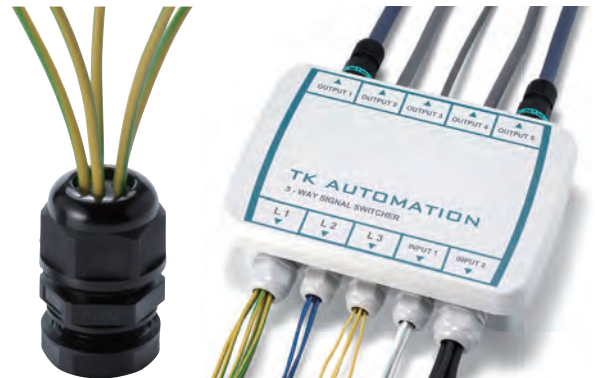
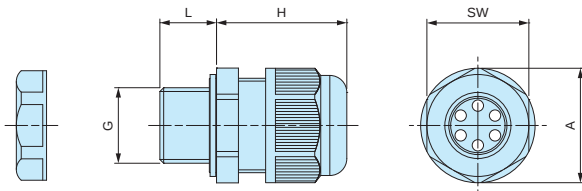
Components

No.	Part name	Material
1	Cap	PA66 UL94V-2
2	Sealing insert	NBR/PA66 UL94V-2
3	Connector	PA66 UL94V-2
4	O-ring	NBR
5	Lock nut	PA66 UL94V-2



RMH dimensions

■ DXF/DWG/PDF drawings available on our website.



Installation Examples

Product no. / Details

Product no.		G		Cable range		No. of holes	L	H	SW	A	Pack of
● Black	● Light gray	Thread size	Mounting hole	Min.	Max.						
RMH12-2B	RMH12-2S	M12×1.5	Φ12.2	2.5	3	2	9.4	26	18.9	21.2	1
RMH12-3B	RMH12-3S	M12×1.5	Φ12.2	2	2.5	3	9.4	26	18.9	21.2	1
RMH12-4B	RMH12-4S	M12×1.5	Φ12.2	2	2.5	4	9.4	26	18.9	21.2	1
RMH16-2B	RMH16-2S	M16×1.5	Φ16.2	3	4	2	15	29	22	24.7	1
RMH16-3B	RMH16-3S	M16×1.5	Φ16.2	3	4	3	15	29	22	24.7	1
RMH16-4B	RMH16-4S	M16×1.5	Φ16.2	2	3	4	15	29	22	24.7	1
RMH16-5B	RMH16-5S	M16×1.5	Φ16.2	2	2.5	5	15	29	22	24.7	1
RMH16-6B	RMH16-6S	M16×1.5	Φ16.2	1.5	2	6	15	29	22	24.7	1
RMH20-2B	RMH20-2S	M20×1.5	Φ20.2	4.5	6	2	15	34.5	27	30.3	1
RMH20-3B	RMH20-3S	M20×1.5	Φ20.2	4	5	3	15	34.5	27	30.3	1
RMH20-4B	RMH20-4S	M20×1.5	Φ20.2	4	4.5	4	15	34.5	27	30.3	1
RMH20-5B	RMH20-5S	M20×1.5	Φ20.2	3	4	5	15	34.5	27	30.3	1
RMH20-6B	RMH20-6S	M20×1.5	Φ20.2	2	3	6	15	34.5	27	30.3	1
RMH25-2B	RMH25-2S	M25×1.5	Φ25.2	6	8	2	15	37.5	33	37	1
RMH25-3B	RMH25-3S	M25×1.5	Φ25.2	5	7	3	15	37.5	33	37	1
RMH25-4B	RMH25-4S	M25×1.5	Φ25.2	4	6	4	15	37.5	33	37	1
RMH25-5B	RMH25-5S	M25×1.5	Φ25.2	4.5	5.5	5	15	37.5	33	37	1
RMH25-6B	RMH25-6S	M25×1.5	Φ25.2	3	4.5	6	15	37.5	33	37	1
RMH32-2B	RMH32-2S	M32×1.5	Φ32.3	8.5	11	2	15	44	42	46.5	1
RMH32-3B	RMH32-3S	M32×1.5	Φ32.3	9	10	3	15	44	42	46.5	1
RMH32-4B	RMH32-4S	M32×1.5	Φ32.3	8	9	4	15	44	42	46.5	1
RMH32-5B	RMH32-5S	M32×1.5	Φ32.3	6	8	5	15	44	42	46.5	1
RMH32-6B	RMH32-6S	M32×1.5	Φ32.3	5.5	7	6	15	44	42	46.5	1

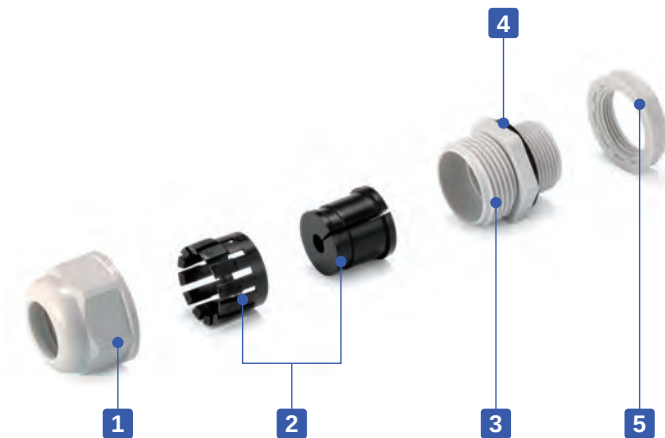


- Split type sealing insert can protect cables with connector.

Technical Data

Protection class : Equivalent to IP67*
Operating temperature : -20°C ~ +80°C

*In-house test

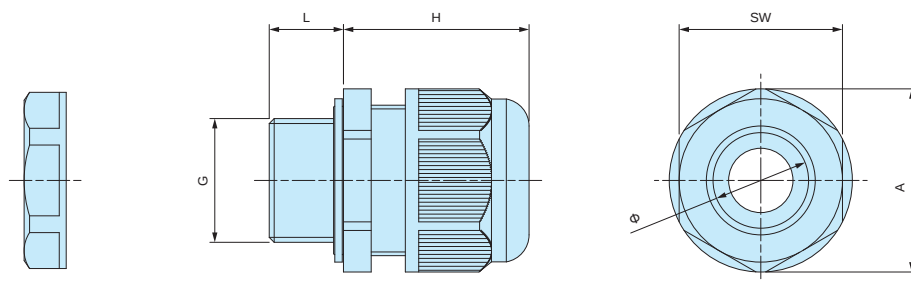


Components

No.	Part name	Material
1	Cap	PA66 (UL94V-2)
2	Sealing Insert	Silicone / PA66 (UL94V-2)
3	Connector	PA66 (UL94V-2)
4	Sealing Washer	Silicone
5	Lock Nut	PA66 (UL94V-2)

RSC dimensions

- DXF/DWG/PDF drawings available on our website.



Product no. / Details

Product no.		G		Cable range		L	H Max	SW	A	Φ	Pack of
● Black	● Light gray	Thread size	Mounting hole	Min	Max						
RSC25-6.5B	RSC25-6.5S	M25×1.5	Φ25.2	5	6.5	15	37.5	33	37	19	1
RSC25-10.5B	RSC25-10.5S	M25×1.5	Φ25.2	7.5	10.5	15	37.5	33	37	19	1
RSC32-6.5B	RSC32-6.5S	M32×1.5	Φ32.3	5	6.5	15	44	42	46.5	25	1
RSC32-10.5B	RSC32-10.5S	M32×1.5	Φ32.3	7.5	10.5	15	44	42	46.5	25	1



- High water protection IP68 (1bar / 30min) metal cable gland.
- Wide selection, for M6 ~ M50.
Suitable for $\Phi 2$ mm ~ $\Phi 42$ mm cable.

Technical Data

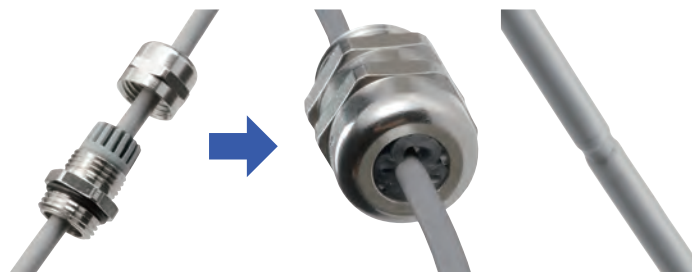
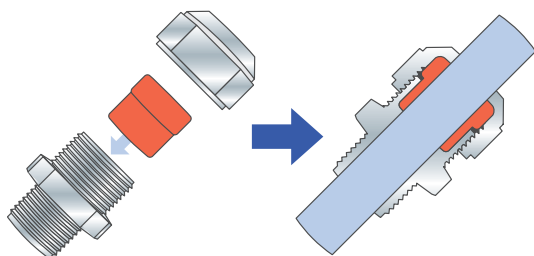
Protection class : IP68 1bar / 30min
 Operating temperature : -40°C ~ +100°C
 Compliant with EN50262 Ver. A

AGM series

Thicker sealing insert evenly hold a cable by having a larger holding area.
 Remains durable even after repeated tightening / loosening.

Lamellar insert type

If over-tightened, it can cause the rubber bush or cable to deform,
 which can allow water to seep in.



- Appropriate tightening torque varies by each cable diameter.

Tighten the cap until top of the sealing insert forms a small bead between the cap and the cable.

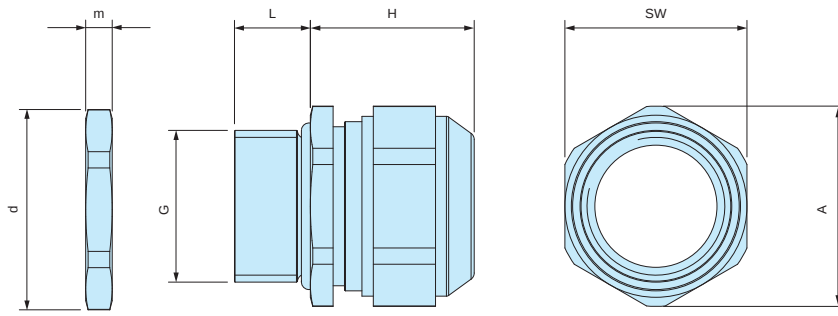


Components

No.	Part name	Material	Color / Finish
1	Cap	Brass	Nickel plated
2	Sealing insert	TPE	Black
3	Connector	Brass	Nickel plated
-	O-ring	NBR	Black
4	Lock nut	Brass	Nickel plated

AGM dimensions

■ DXF/DWG/PDF drawings available on our website.



Product no. / Details

Product no.	G		Cable range		L	H Max	SW	A	d	m	Pack of
	Thread size	Mounting hole	Min	Max							
AGM6-2.5	M6×1.0	Φ6.2	2	2.5	8	12	8	9	10	2.8	1
AGM6-3	M6×1.0	Φ6.2	2.5	3.0	8	12	8	9	10	2.8	1
AGM6-3.5	M6×1.0	Φ6.2	3.0	3.5	8	12	8	9	10	2.8	1
AGM8-5	M8×1.25	Φ8.2	3.5	4.7	10	14	11	12	12	3	1
AGM10-6	M10×1.5	Φ10.2	4.0	6.0	10	15	13	14.3	14	2.8	1
AGM12-8	M12×1.5	Φ12.2	6.5	8.0	10	17	15	16.5	16.5	2.8	1
AGM16-10.5	M16×1.5	Φ16.2	8.0	10.5	10	21	18	20	21	3	1
AGM20-15	M20×1.5	Φ20.2	11.0	15.0	10	23	24	26.5	26.5	3.5	1
AGM25-20	M25×1.5	Φ25.2	16.0	20.0	11	28	30	33	33	4	1
AGM32-25.5	M32×1.5	Φ32.3	21.0	25.5	13	29.5	36	39.5	39.5	4	1
AGM40-28.5	M40×1.5	Φ40.3	24.0	28.5	13	32	46	50.7	51	5	1
AGM40-33	M40×1.5	Φ40.3	28.5	33.0	13	32	46	50.7	51	5	1
AGM50-37	M50×1.5	Φ50.4	33.0	37.0	14	34	55	59.7	60	5.5	1
AGM50-42	M50×1.5	Φ50.4	37.0	42.0	14	34	55	59.7	60	5.5	1



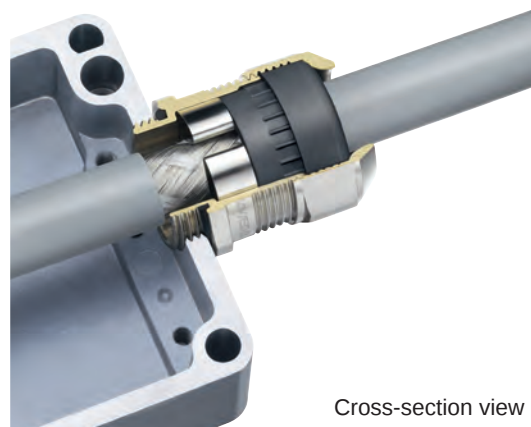
- Optimal contact spring provides excellent shield contact and the smallest possible transfer impedance.
- Clawed lock nut makes a good EMC shield contact possible on conductive enclosures.
- Shape of the contact spring not only allows for a large clamping range to the shield but also enables easy and faster installation and re-installation.
- 2-piece detachable sealing inserts can be adapted to the wider existing cable diameter on site.
(AGE12 available only with 1-piece sealing insert)

Technical Data

Protection class : IP68 2bar / 30min, IP69K
 Operating temperature : -60°C ~ +100°C
 Compliant with IEC62444 Var. A

Cable Range

No.	Sealing insert type	
	Assembled	Detached
AGE16-10.5	Φ 6 ~ Φ 7.5	Φ 7.5 ~ Φ10.5
AGE20-15	Φ 8 ~ Φ10.5	Φ10.5 ~ Φ15
AGE25-20	Φ12.5 ~ Φ15	Φ15 ~ Φ20
AGE32-25	Φ17 ~ Φ20	Φ20 ~ Φ25



Cross-section view

Components

No.	Part name	Material	Color / Finish
1	Cap	Brass	Nickel plated
2	Sealing insert	TPE	Black
3	Connector	Brass	Nickel plated
4	Contact spring	Stainless steel	Unfinished
-	O-Ring	NBR	Black
5	Lock-nut	Brass	Nickel plated

INSTALLATION Instruction



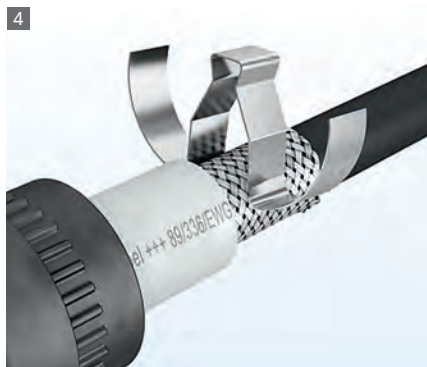
Remove the contact spring from the connector.



Install the connector onto the enclosure.



Strip the cable.



Clip the contact spring on the shielded cable.



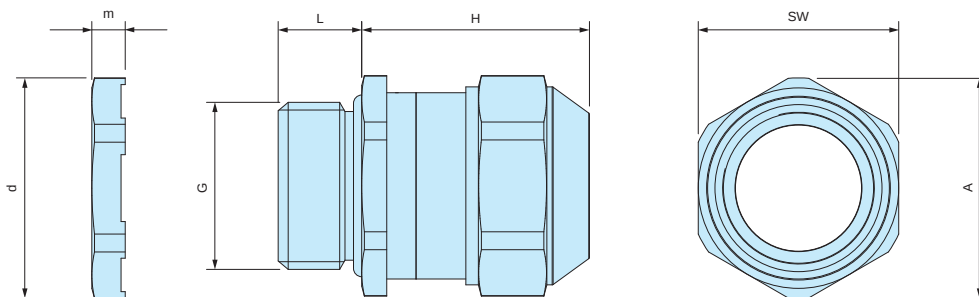
Pass the cable through the sealing insert and cap.



Tighten the cap to complete.

AGE dimensions

■ DXF/DWG/PDF drawings available on our website.



Product no. / Details

Product no.	G		Cable range		L	H Max	SW	A	d	m	Pack of
	Thread size	Mounting hole	Min	Max							
AGE12-5	M12×1.5	Φ12.2	3.5	5.0	10	22	15	16.5	16.5	3.5	1
AGE12-6.5	M12×1.5	Φ12.2	5.0	6.5	10	22	15	16.5	16.5	3.5	1
AGE16-10.5	M16×1.5	Φ16.2	6.0	10.5	10	25	18	20	21	3.5	1
AGE20-15	M20×1.5	Φ20.2	8.0	15.0	10	27	24	26.5	26.5	4	1
AGE25-20	M25×1.5	Φ25.2	12.5	20.0	11	33	30	33	33	4	1
AGE32-25	M32×1.5	Φ32.3	17.0	25.0	13	34	36	39.5	39.5	5	1



- Economical metal cable gland.
- Equivalent to IP67 protection class.
- Wide selection available from M12 ~ M32.

Technical Data

Protection class : Equivalent to IP67*
Operating temperature : -20°C ~ +80°C

*In-house test

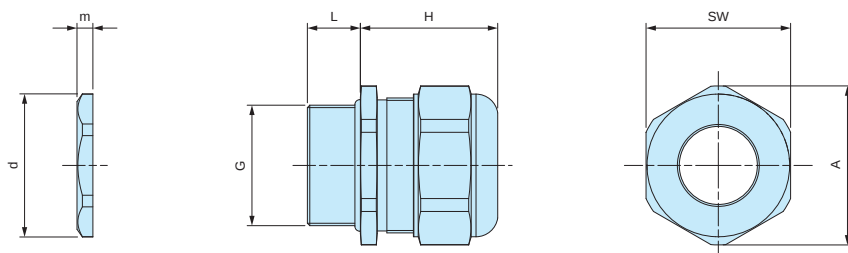


Components

No.	Part name	Material	Color / Finish
1	Cap	Brass	Nickel plated
2	Sealing Insert	TPE	Black
3	Connector	Brass	Nickel plated
—	O-ring	NBR	Black
4	Lock Nut	Brass	Nickel plated

RMC dimensions

■ DXF/DWG/PDF drawings available on our website.



Product no. / Details

Product no.	G		Cable range		L	H Max	SW	A	d	m	Pack of
	Thread size	Mounting hole	Min	Max							
RMC12-6.5	M12×1.5	Φ12.2	5	6.5	10	18	15	16.5	15.4	2.5	1
RMC12-7.5	M12×1.5	Φ12.2	6.5	7.5	10	18	15	16.5	15.4	2.5	1
RMC16-8	M16×1.5	Φ16.2	6.5	8	10	23	18	19.7	19.7	2.8	1
RMC16-10.5	M16×1.5	Φ16.2	8	10.5	10	23	18	19.7	19.7	2.8	1
RMC20-11	M20×1.5	Φ20.2	9.5	11	10	23.5	24	26.4	24.2	3.2	1
RMC20-14.5	M20×1.5	Φ20.2	11	14.5	10	23.5	24	26.4	24.2	3.2	1
RMC25-16	M25×1.5	Φ25.2	14	16	11	28.5	30	33	29.7	3.3	1
RMC25-19	M25×1.5	Φ25.2	16	19	11	28.5	30	33	29.7	3.3	1
RMC32-21	M32×1.5	Φ32.3	18	21	13	30.5	36	39.6	37.4	3.5	1
RMC32-25.5	M32×1.5	Φ32.3	21	25.5	13	30.5	36	39.6	37.4	3.5	1

AGH SERIES

HEAT RESISTANT METAL CABLE GLAND



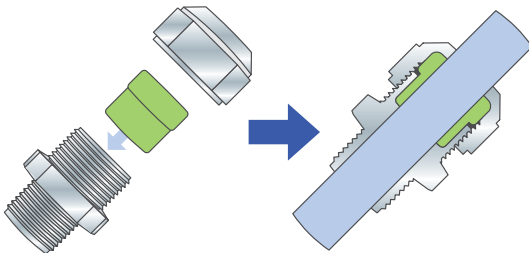
- Heat resistant sealing insert made of FPM material. Resistant up to 200°C
- IP68 1bar / 30min high performance waterproof cable gland.

Technical Data

Protection class : Protection class IP68 1bar / 30min
 10m depth immersion in 30 minutes
 Operating temperature : -40°C ~ +200°C
 Compliant with EN50262 Var. A

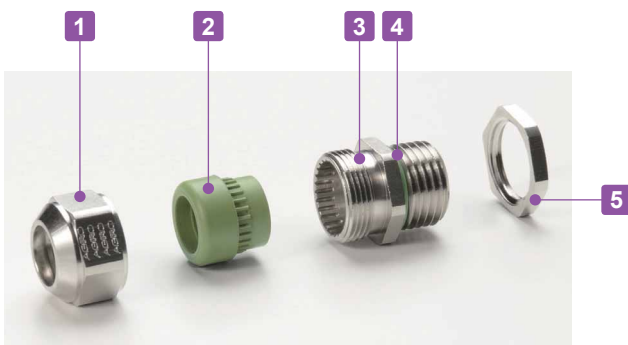
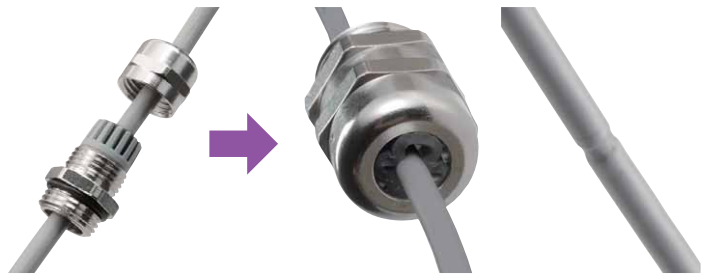
AGH series

Thicker sealing insert evenly clasp onto the cable by having a larger area.
 Remains durable even after repeated tightening / loosening.



Conventional cable gland

If over-tightened, it can cause the rubber bush or cable to deform,
 which may allow water to seep in.



- Tightening torque varies depending on the cable diameter.
 Tighten until the sealing insert protrudes slightly from the cap.

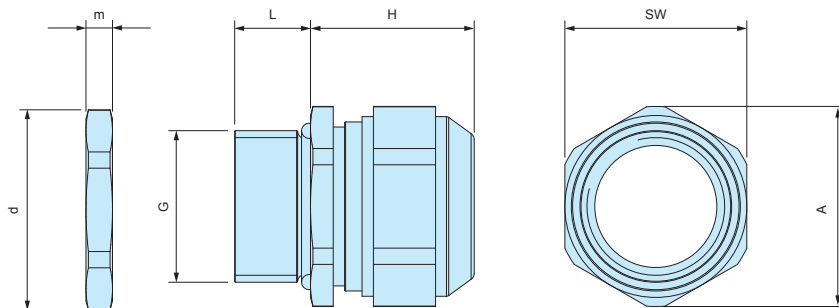


Components

No.	Part name	Material	Color / Finish
1	Cap	Brass	Nickel plated
2	Sealing insert	FPM	Green
3	Connector	Brass	Nickel plated
4	O-Ring	FPM	Green
5	Lock-nut	Brass	Nickel plated

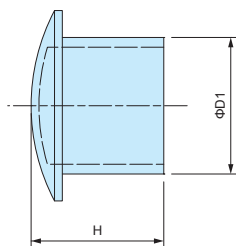
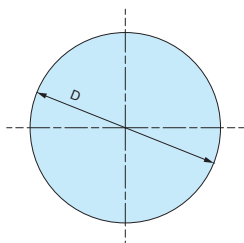
AGH dimensions

■ DXF/DWG/PDF drawings available on our website.



Product no. / Dimensions

Product no.	G		Cable range		L	H Max	SW	A	d	m	Pack of
	Thread size	Mounting hole	Min	Max							
AGH10-6	M10×1.5	Φ10.2	4.0	6.0	10	15	13	14.3	14.2	3	1
AGH12-8	M12×1.5	Φ12.2	6.5	8.0	10	17	15	16.5	16.5	3	1
AGH16-10.5	M16×1.5	Φ16.2	8.0	10.5	10	20	18	20	21	3	1
AGH20-15	M20×1.5	Φ20.2	11.0	15.0	10	23	24	26.5	26.3	3.5	1
AGH25-20	M25×1.5	Φ25.2	16.0	20.0	11	27	30	33	33	4	1
AGH32-25.5	M32×1.5	Φ32.3	21.0	25.5	13	28.5	36	39.7	39.7	4	1

SP SERIES**SEALING PLUG****SP dimensions**

■ Material : Nylon

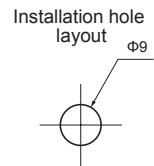
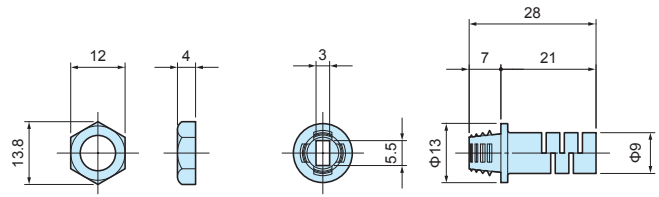
- Sealing plug for cable glands when not in use.
- Maintain a waterproof seal when plugged into the sealing insert on cable glands.

Product no. / Dimensions

Product no.	D	D1	H	Suitable cable glands	Pack of
SP-12	10.2	6	15.5	RMW12, RM12, RMW16, RM16, RPG7, RPG9	10
SP-16	15.6	9.5	15.5	RMW20, RM20, RPG11, RPG13.5	10
SP-20	19.6	13.5	16.5	RPG16	10
SP-25	24.4	17.5	17	RMW25, RM25, RMW32, RM32, RPG21	5
SP-40	32.5	24.5	17.5	RMW40, RM40, RPG29	5
SP-50	47.2	38.9	17.6	RMW50, RM50	5

CP SERIES

CORD PROTECTOR



- Cord protector for protection against cord twists and breakage.
- Nut can be secured from the back side of the panel for additional stability.

Components

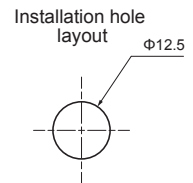
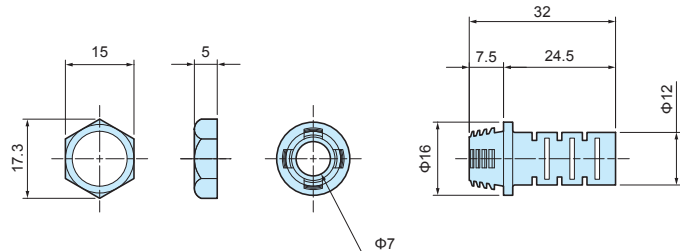
No.	Part name	Material
1	Connector	PVC
2	Nut	Polyethylene

Product no. / Feature

Product no.		Panel thickness	Cord diameter	Pack of
● Black	● Light Gray			
CP-Y85B	CP-Y85G	1.5 ~ 2.0	VFF0.75×2	10

CP SERIES

CORD PROTECTOR



- Cord protector for protection against cord twists and breakage.
- Nut can be secured from the back side of the panel for additional stability.

Components

No.	Part name	Material
1	Connector	PVC
2	Nut	Polyethylene

Product no. / Feature

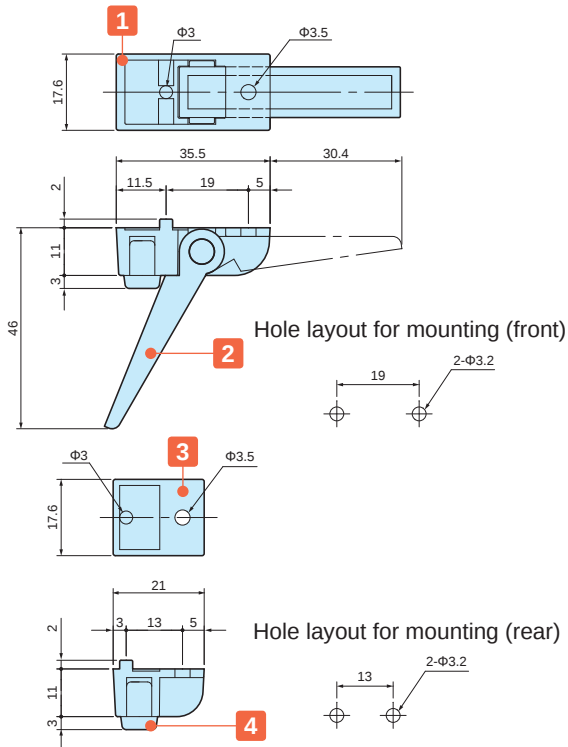
Product no.		Panel thickness	Cord diameter	Cord shape	Pack of
● Black	● Light Gray				
CP-127B	CP-127G	1.5 ~ 2.0	Φ5.8 ~ Φ6.8	Round cord	10

TL series

TILT LEG

TL dimensions

■ DXF/DWG/PDF drawings available on our website.



Components

* Maximum load = 7 kg

No.	Part name	Pcs	Material	Color / Finish
1	Front feet	2	ABS UL94HB	Black • Gray • Light gray
2	Leg	2	ABS UL94HB	Black • Gray • Light gray
3	Rear feet	2	ABS UL94HB	Black • Gray • Light gray
4	Rubber feet	4	EPDM	Gray • Black
-	Screw	4	Steel	Black trivalent chromate

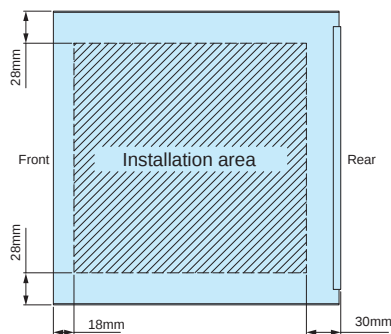
■ Included screws: M3-8 and M3 nut (with washer) set.

Product no. / Dimensions

Product no.	Color (body)	Color (rubber feet)	Sales unit
● TL-45BB	Black	Black	1 set
● TL-45GG	Gray	Gray	1 set
● TL-45SG	Light gray	Gray	1 set

■ EPDM (black) may have its color migrate onto the placement surface.

MS SERIES INSTALLATION AREA



CBF-1G

CABLE HOOK



- Used for wrapping and securing cords and wires.
- Can be used with a variety of different enclosure series and models.
- Requires a panel thickness of between 1.0 ~ 3.0mm.

Product no. / Dimensions

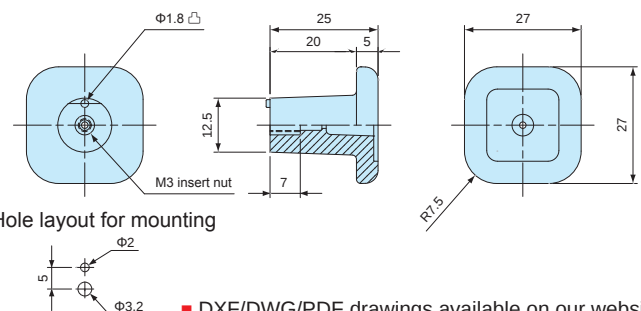
Product no.	Material	Color	Pack of
CBF-1G	ABS UL94HB	Gray	4

■ Included screws: M3-8 trivalent chromate (with washer) x 4 pcs



APPLICATION EXAMPLE

CBF dimensions



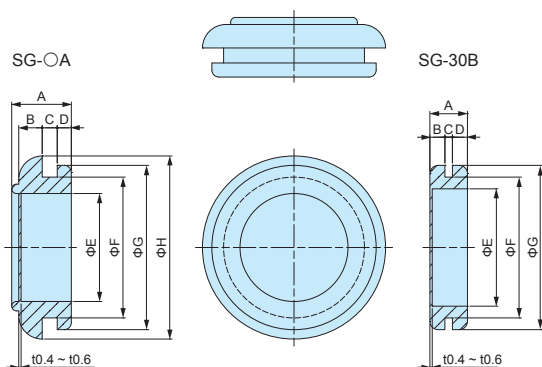
■ DXF/DWG/PDF drawings available on our website.

SG SERIES

RUBBER MEMBRANE GROMMET



■ DXF/DWG/PDF drawings available on our website.



Technical Data

Operating temperature: -30°C ~ +100°C

Components

Material	Hardness	Color
EPDM	55°±5°	Black

■ Membrane thickness = 0.4 ~ 0.6mm

Product no. / Dimensions

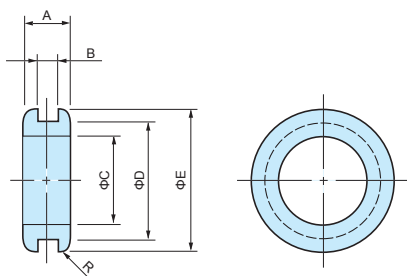
Product no.	A	B	C	D	E	F	G	H	Pack of
SG- 9A	8.5	3.5	2.3	2	4.5	9	13	16	10
SG-12A	6.3	2.5	1.6	1.5	7	12	16	19	10
SG-14A	8	2.7	2.3	2	9	14	18	21	10
SG-16A	8.1	3.5	1.6	2	11	16	20	23	10
SG-18A	8.8	3.5	2.3	2	13	18	22	25	10
SG-20A	9.1	4	1.6	2.5	15	20	24	27	10
SG-22A	9.8	4	2.3	2.5	17	22	26	29	10
SG-24A	11.3	5	2.3	3	19	24	28	31	10
SG-26A	12.2	5	3.2	3	19	26	31	35	10
SG-28A	11.8	5	2.3	3	21	28	33	37	10
SG-30A	12.7	5	3.2	3	23	30	35	39	10
SG-30B	8	3.2	1.6	3.2	25	30	35	—	10
SG-32A	11.8	5	2.3	3	25	32	37	41	10
SG-34A	12.7	5	3.2	3	27	34	39	43	10
SG-36A	13.8	6	2.3	4	28	36	42	45	10
SG-38A	14.7	6	3.2	4	30	38	44	48	10
SG-42A	14.7	6	3.2	4	34	42	48	52	10

NG SERIES

RUBBER GROMMET



■ DXF/DWG/PDF drawings available on our website.



Technical Data

Operating temperature: -30°C ~ +100°C

Components

Material	Hardness	Color
EPDM	50° ~ 55°	Black

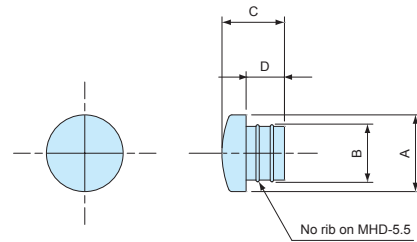
Product no. / Dimensions

Product no.	A	B	C	D	E	R	Pack of
NG-79-1	3.7	1.2	3.5	6	9	0.6	10
NG-79-A1	4	1	5	8	11	0.6	10
NG-79-A	4.5	1.5	5	8	11	0.6	10
NG-79-A2	5	2	5	8	11	0.6	10
NG-79-B	6	3	5	8	11	0.6	10
NG-79-C	4.5	1.5	7	10	13	0.6	10
NG-79-D	6	3	7	10	13	0.6	10
NG-79-E	4.5	1.5	9	12	15	0.6	10
NG-79-F	6	3	9	12	15	0.6	10
NG-79-G	5.5	1.5	11	15	19	1	10
NG-79-H	7	3	11	15	19	1	10
NG-79-J	5.5	1.5	13	17	21	1	10
NG-79-K	7	3	13	17	21	1	10
NG-79-L	5.5	1.5	15	19	23	1	10
NG-79-M	7	3	15	19	23	1	10
NG-79-N	6.5	1.5	20	25	30	1.2	10
NG-79-O	8	3	20	25	30	1.2	10
NG-79-P	6.5	1.5	25	30	35	1.2	10
NG-79-Q	8	3	25	30	35	1.2	10
NG-79-R	7.5	1.5	30	36	42	1.2	10
NG-79-S	9	3	30	36	42	1.2	10
NG-74	4	1	3	5	7	1	10
NG-742	5	2	3	5	7	1	10

MHD SERIES**SMALL HOLE PLUG**

■ DXF/DWG/PDF drawings available on our website.

- Small hole plug for $\Phi 5.0$, $\Phi 5.5$, $\Phi 7.0$, and $\Phi 8.0$ sized holes.
- Made from TPE (Elastomer) and silicone material.
- Applicable panel installation thickness between 1.0mm ~ 3.0mm.

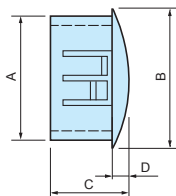
**Product no. / Dimensions**

Product no.	Material	Color	Mounting hole	A	B	C	D	Pack of
MHD-5	TPE	Black	$\Phi 5$	7	5.2	5.7	3.5	10
MHD-5.5	Silicone	Black	$\Phi 5.5$	7	5.6	5	3	10
MHD-7	TPE	Black	$\Phi 7$	9	7.2	5.7	3.5	10
MHD-8	TPE	Black	$\Phi 8$	10	8.2	5.7	3.5	10

HPL SERIES**HOLE PLUG**

- Hole plug for the unused holes.

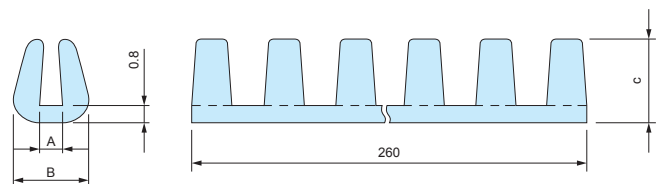
■ DXF/DWG/PDF drawings available on our website.

**Product no. / Dimensions**

■ Material / Color : PA66 UL94V-2 / Black

Product no.	A	B	C	D	Mounting hole	Panel thickness	Pack of
HPL- 8	7.6	10.4	8.1	1.6	$\Phi 8$	1.5/1.6	10
HPL-10	9.5	13	10.5	1.6	$\Phi 9.5$	1.0/2.0/2.5	10
HPL-13	12.5	16.7	10.9	1.6	$\Phi 12.5$	1.0/1.5/2.0/3.0	10
HPL-16	15.8	19.8	10	1.1	$\Phi 16$	1.0/1.2/3.0	10
HPL-19	18.9	23.2	10	1.4	$\Phi 19$	1.0/1.2	10
HPL-22	22	26	11.3	1.6	$\Phi 22$	1.0/1.2/2.0	10
HPL-25	25.4	29.1	12.3	2.4	$\Phi 25.5$	1.0/1.2/2.0	10
HPL-30	30	35	12	1.6	$\Phi 30$	1.0/1.2/2.0	10

■ Confirm first for usability on panel thickness not listed in the above chart.

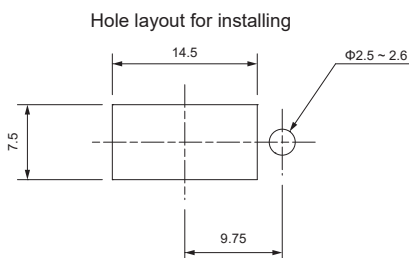
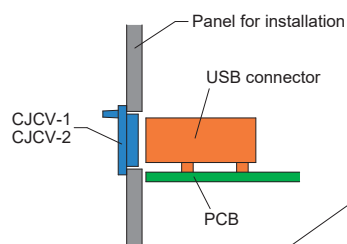
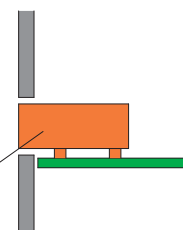
JKG SERIES**HOLE EDGE PROTECTOR**

- Install protector on the cut edge of the hole on the panel to protect cables and components from damage.
- Cut into suitable lengths to fit the hole.

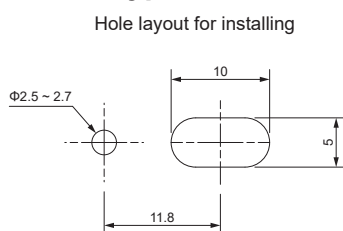
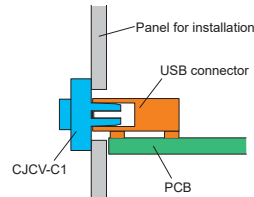
Product no. / Dimensions

■ Material / Color : PA66 UL94V-2 / Natural

Product no.	A	B	C	Panel thickness	Pack of
JKG006N	0.6	3.1	3.8	0.5 ~ 0.7	10
JKG008N	0.8	3.1	3.8	0.7 ~ 0.9	10
JKG010N	1	3.3	3.8	0.9 ~ 1.1	10
JKG012N	1.2	3.5	3.8	1.1 ~ 1.3	10
JKG014N	1.4	3.7	3.8	1.3 ~ 1.5	10
JKG016N	1.6	3.9	3.8	1.4 ~ 1.7	10
JKG020N	2	4.3	3.8	1.8 ~ 2.0	10
JKG030N	3	6.2	4.8	2.5 ~ 3.0	10

CJCV series**USB DUST COVER FLAP****For USB Type-A****How to Install****Incorrect Position**

- The USB connector should be mounted such that it does not protrude out from the panel's inner side.

**For USB Type-C****How to Install**

- Insert the CJCV cover into the USB Type-C connector.

Product no. / Details

Product no.	USB type	Material	Color	Mounting thickness	Weight (g)	Pack of
CJCV-1	A	TPU	Black	0.5 ~ 2.0mm	0.4 (1 piece)	10
CJCV-2	A	TPU	Black	2.0 ~ 12.0mm	0.4 (1 piece)	10
NEW CJCV-C1	C	Silicon	Black	1.0 ~ 2.0mm	0.36 (1 piece)	10

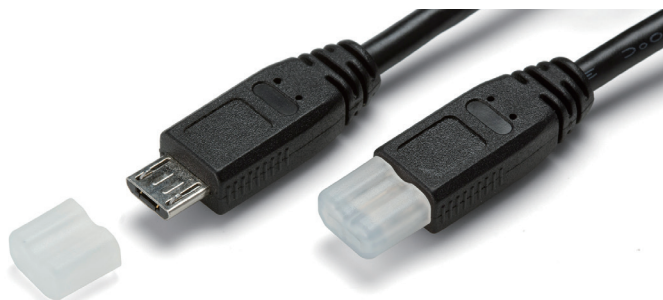
- USB Type-A and C connector dust cover plug with stopper cord.
- Hole milling is required for flap installation.

KPS•USB3C series**USB DUSTPROOF CONNECTOR COVER****USB Type-A****Product no. / Details**

Product no.	Material	Color	Pack of
KPS-6	PE	Natural	10

USB Type-C**Product no. / Details**

Product no.	Material	Color	Pack of
USB3C-3	PE	Natural	10

Micro USB**Product no. / Details**

Product no.	Material	Color	Pack of
KPS-21	PE	Natural	10

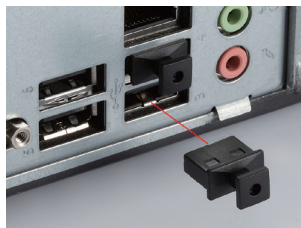
- DXF/DWG/PDF drawings available on our website.

USBC series

USB DUSTPROOF BLIND PLUG

USB Type-A

USBC-2 (Pull-tab type)

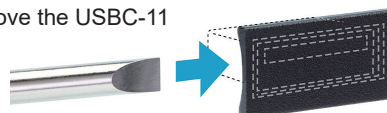


USBC-11 (No pull-tab type)



- Easy insertion plug for USB Type-A connector.
- USBC-11 is a dust prevention plug that is easy to install and remove. It is curved on the back, making it easy to insert flat-bladed screwdrivers, etc. into the space to remove the plug.

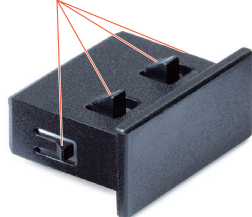
How to remove the USBC-11



USBC-8 (No pull-tab type)



USBC-8 fall prevention clasp



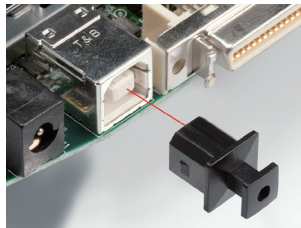
Product no. / Details

■ DXF/DWG/PDF drawings available on our website.

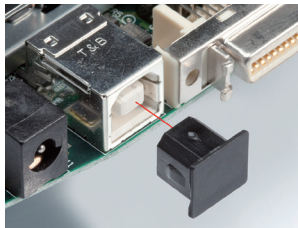
Product no.	Material	Color	Pack of
USBC- 2	ABS (UL94HB)	Black	10
USBC- 8	PA66 (UL94V-2)	Black	10
NEW USBC-11	ABS (UL94HB)	Black	10

USB Type-B

USBC-1 (Pull-tab type)



USBC-3 (No pull-tab type)



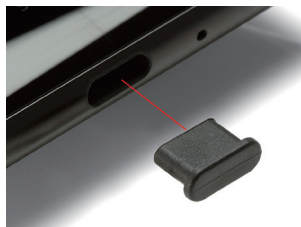
- Easy insertion plug for USB Type-B connector.

Product no. / Details

■ DXF/DWG/PDF drawings available on our website.

Product no.	Material	Color	Pack of
USBC-1	ABS (UL94HB)	Black	10
USBC-3	PP (UL94HB)	Black	10

USB Type-C



USB Type-C connector



- Easy insertion plug for USB Type-C connector.

Product no. / Details

■ DXF/DWG/PDF drawings available on our website.

Product no.	Material	Color	Pack of
USBC-3C	PE	Black	10

USB 3.0 Micro B



USB 3.0 Micro B connector



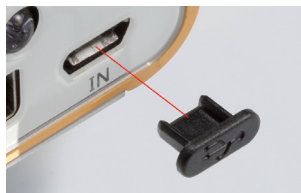
Product no. / Details

■ DXF/DWG/PDF drawings available on our website.

Product no.	Material	Color	Pack of
USBC-21	TPE	Black	10

Micro USB

USBC-31



Mini USB

USBC-10



Product no. / Details

■ DXF/DWG/PDF drawings available on our website.

Product no.	Material	Color	Pack of
USBC-31	PE	Black	10
USBC-10	TPE	Black	10

SFPC • CXP series**FIBER OPTIC PORT DUSTPROOF PLUG**

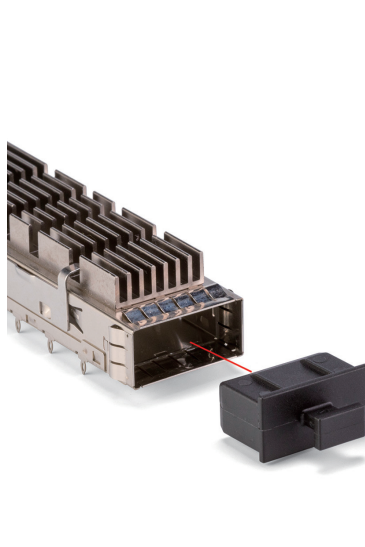
- Dustproof pull-tab cover plug for fiber optic connector port.

For SFP port

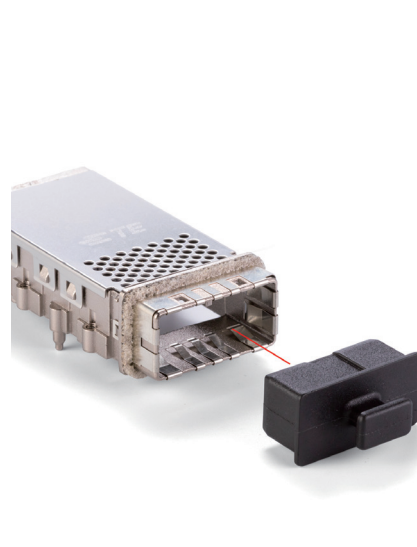
SFPC-11

**For QSFP port**

SFPC-12

**For CXP port**

CXP-2

**Product no. / Feature**

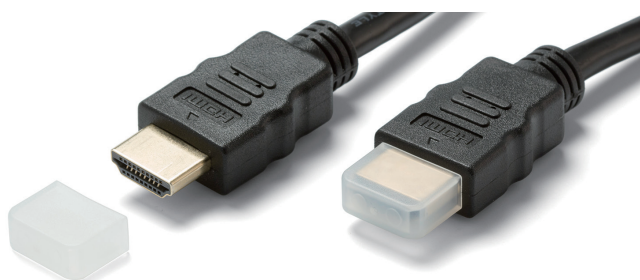
	Product no.	Material	Color	Pack of
NEW	SFPC-11	PE	Black	10
NEW	SFPC-12	PE	Black	10
NEW	CXP-2	PE	Black	10

- DXF/DWG/PDF drawings available on our website.

HDMIC series**HDMI DUSTPROOF BLIND PLUG****HDMIC-1 (Pull-tab type)****HDMIC-3 (No pull-tab type)****Product no. / Feature**

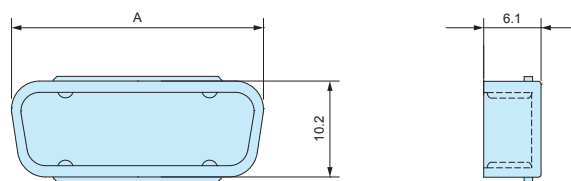
	Product no.	Material	Color	Pack of
	HDMIC-1	PE	Black	10
	HDMIC-3	ABS UL94HB	Black	10

- DXF/DWG/PDF drawings available on our website.

HDMIT-1**HDMI DUSTPROOF CONNECTOR COVER****Product no. / Feature**

	Product no.	Material	Color	Pack of
	HDMIT-1	PE	Natural	10

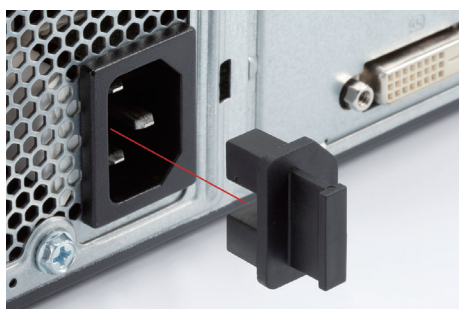
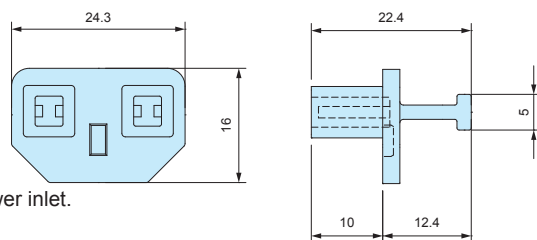
- DXF/DWG/PDF drawings available on our website.

DTC series**D-SUB•DVI DUSTPROOF CONNECTOR COVER****DTC dimensions**

■ DXF/DWG/PDF drawings available on our website.

Product no. / Dimensions / Feature

Product no.	Matching connector	A	Material	Color	Pack of
DTC- 9F	D-sub 9 pin	18.5	PP UL94HB	Gray	10
DTC-15F	D-sub 15 pin • DVI	26.8	PP UL94HB	Gray	10
DTC-25F	D-sub 25 pin	40.6	PP UL94HB	Gray	10

PLC-3TV**POWER INLET DUSTPROOF BLIND PLUG****PLC-3TV dimensions**

■ Pull-tab type blind plug for power inlet.

Product no. / Feature

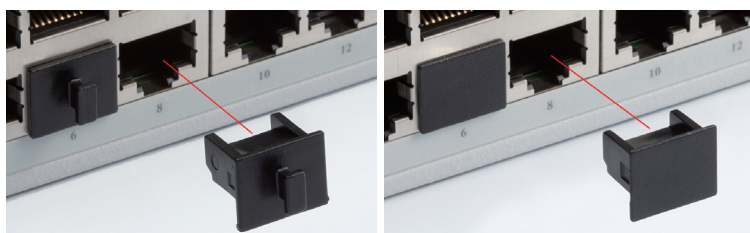
■ DXF/DWG/PDF drawings available on our website.

Product no.	Material	Color	Pack of
PLC-3TV	TPE UL94V-0	Black	5

PJR-45 • PJS-45**RJ45 DUSTPROOF BLIND PLUG**

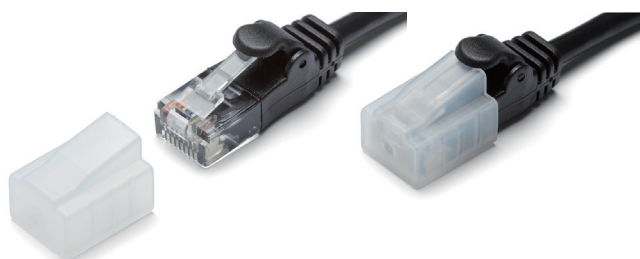
PJR-45 (Pull-tab type)

PJS-45 (No pull-tab type)

**Product no. / Feature**

Product no.	Material	Color	Pack of
PJR-45	PE	Black	10
PJS-45	ABS UL94HB	Black	10

■ DXF/DWG/PDF drawings available on our website.

PJCV-1**RJ45 DUSTPROOF CONNECTOR COVER****Product no. / Feature** ■ DXF/DWG/PDF drawings available on our website.

Product no.	Material	Color	Pack of
PJCV-1	PE	Natural	10