

# ***Realinkage***

Realinkage, the electric protection and connection expert,  
offer you safe escort and high- quality life!



# Company Profile



Realinkage Co., Ltd is the professional electric product manufacturer of flexible conduit, fitting, cable gland and braided sleeving for cable protection and connection. Due to modernized workshop and R&D center, Realinkage is always concentrating on supplying customers with state-of-the-art products. After years' independent research and exploration, Realinkage has developed series of products with special design and unique patent. All the products have been proved to be its great value by market.

Realinkage has got ISO9001:2008 certification and all the products have also got the certification and test of CE, DB, EN45545, RoHS, UL94, and China Railway No. 67 test. The products are widely applied in railway system, high-speed train, metro, tramcar, industrial automation, machine-building industry, auto industry, industrial robot, ship, aviation, communication industry, elevator, medical facility and air-condition. Now Realinkage are enjoying a good reputation both home and abroad when being in a close cooperation with global transnational companies.

Realinkage is not only a pure manufacturer of electric products but also a powerful engineer of electric protection & connection solution with a full range of accessories and spare parts. With the experienced team of designer and engineer, Realinkage can still offer the products that match well with the customer's requirement and can be popular in the market. Meanwhile depending on the mature management policy of company, Realinkage has also built up a thorough quality-control system and after-sale system to ensure the satisfaction of customers.

Realinkage the expert of electric protection and connection offers you a safe escort to high-quality life!



# ADVANTAGES

Realinkage



- 01** Local Manufacture, large stock with short delivery  
Competitively price  
Stable quality



- 02** Produced to the highest technical standards  
Realinkage has passed a series of certifications and tests.



- 03** Free samples services  
Site technical support and installation guide  
Customized special product specifications



- 04** Free packing services  
Free general shipping around China

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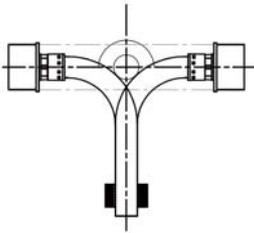
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# TECHNICAL INFO

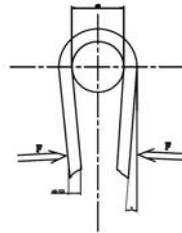
## Testing Methods

### Bending test



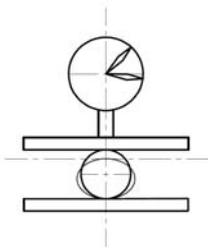
According to EN61386

### Cold Bending Test



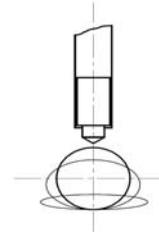
According to EN61386

### Peak Load Test



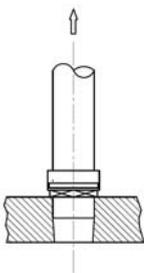
According to EN61386

### Impact Test



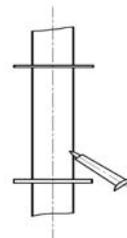
According to EN61386

### Pull Out Test



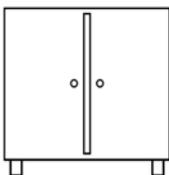
According to EN61386

### Self-Extinguishing test



According to EN61386

### Thermal Ageing Test



## Realinkage application and recommendation

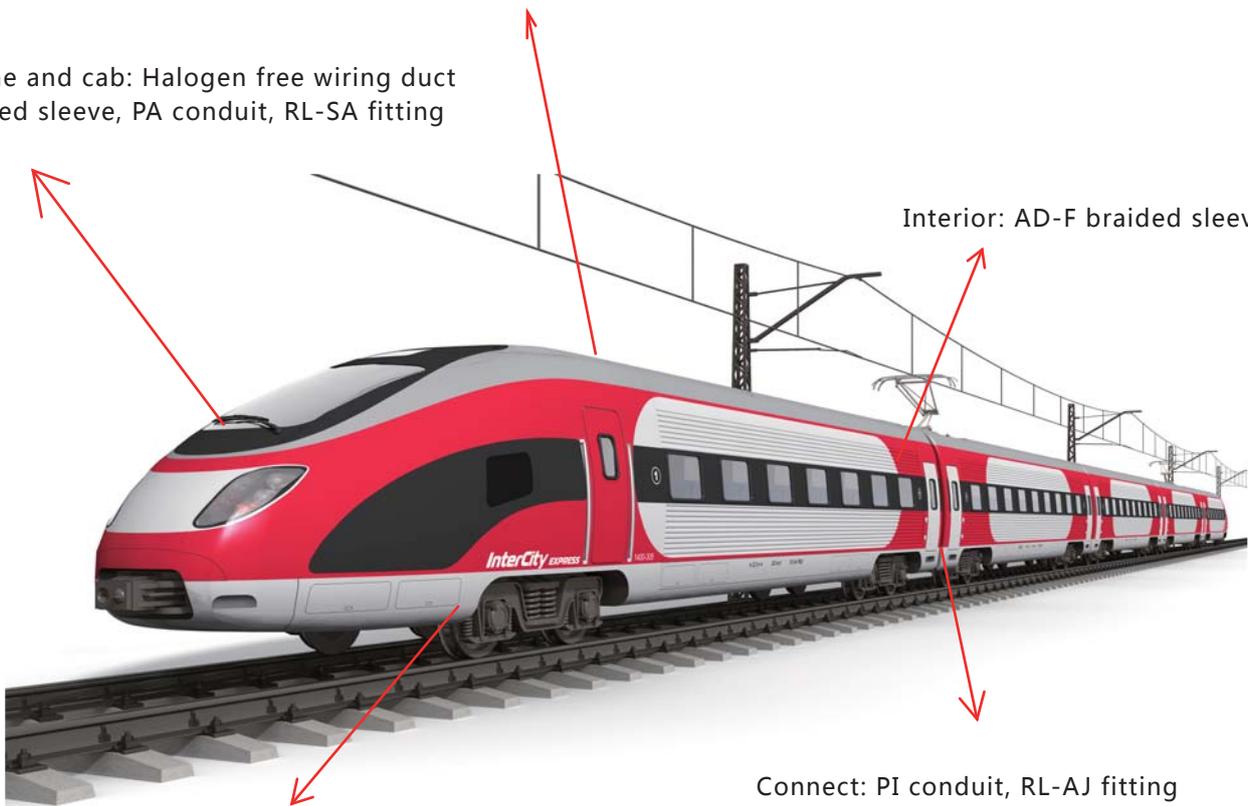
Realinkage products are applied to various fields, safe and reliable solution could be offered. According to the specific environment; professional products could be manufactured according to customers' requirements.

Application fields: Rail Transit, Industrial Automation, Auto Industry, Ship and Aviation, Communication Industry, New Energy, Elevator Industry, Construction Machinery, Medical Facility.

Roof air-conditioning: PI conduit, RL-SA fitting  
HSM cable gland, RL-Y fitting

Engine and cab: Halogen free wiring duct  
Braided sleeve, PA conduit, RL-SA fitting

Interior: AD-F braided sleeve



Connect: PI conduit, RL-AJ fitting

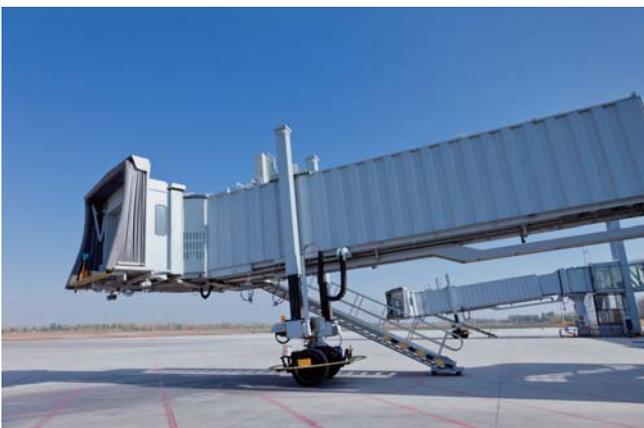
Bottom: HSM cable gland  
PA, PI conduit, RL-SA fitting



Insulated sleeve is to protect the cables and wires from the external damage, and flexible conduit is mainly applied in the following 5 areas, each of which has its specific application standard: High-speed rail, Intercity rail, Metro systems, Light rail and tramcar.



Staircase consists of electric machinery, electric cabinet, control sensor, pedal, guard rail, handrail, and switch. Interior wiring can use: SC metallic conduit and fitting, SPC metallic conduit and fitting, HSK cable gland, cable tie and junction box.



Aircraft boarding bridge consists of swivel table, active channel, walking and lifting structure and airport platform.  
Swivel table: SPL metallic conduit and fitting, HSK/HSM cable gland and cable tie.  
Active channel: Cable mark, chain and cable tie.  
Walking and lifting: HSM cable gland, heavy duty connector and chain.  
Airport platform: HSK cable gland, junction box, plug and cable tie.



Robot consists of main part, drive system and control system.

Main part: PI conduit, RL-SA fitting , RL-AJ fitting , RSF fitting, conduit clip.

Drive system : PA/PI conduit, RL-SA fitting , HSM cable gland , PVC button wrap , cable tie.

Control system : PA conduit , RL-A fitting , braided sleeve , spiral wrap.



The main engine of WTG is mainly consisted of generator set, speed-up machine, engine room control cabinet, hub and engine room.

Generator set : PA conduit, HSM cable gland, RL-A fitting series, RCB clips, RSF fitting series. Speed-up machine: PA conduit, RCB clips, RL-A fitting series. Engine room control cabinet : HSK/HSM cable gland series, RL-A fitting series. Hub: HSK cable gland, PCLIPC-S clips in the pitch system.

Main engine room: PA conduit series, RL-A fitting, RL-SA fitting, RCB clips, PCLIPC-S clips, RL/Y three links fitting series.



Harness industry is divided into communication harness, rail harness , new energy vehicles harness and industrial automation harness.

Communication harness: mainly applying PA/PI conduit series, RL-A fitting, RL-FA fitting, RL three links fitting, HSM cable gland series.

Rail harness: mainly is jumper wire harness, applying PI conduit series, RL-AJ fitting with lock, AD-E braided sleeves series, BRS heat shrink tubing series.

New energy vehicles harness: mainly applying PP-V0 orange conduit series, ribbon, RL fitting series, RCB clips series.

Industrial Automation Harness: mainly applying PA conduit , RL fitting series, Y fitting , T type fitting , RCB clips, RL fitting series.



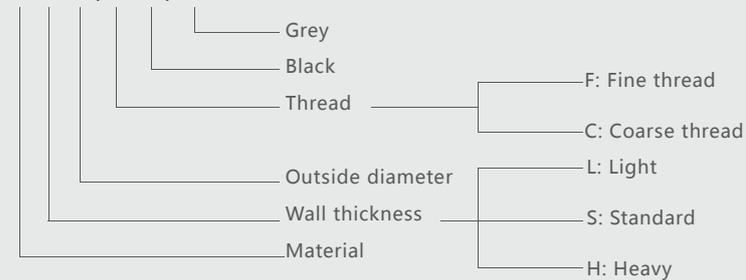
## NON-METALLIC CONDUITS

Realinkage non-metallic conduit provides customers with different choices of material including Nylon 6, Nylon 12, Modified Nylon, Polypropylene, Polyethylene and so on, and also could offer slit conduit according to customers' requirements.

Realinkage non-metallic conduit including Light weight, Standard weight and Heavy weight, of which the diameter is ranged from 10mm to 106mm. Color black and grey are available for choice. Conduit with diameter 28mm and 34mm has coarse pitch thread (ex:PAL-28/C-BL/GR) and fine thread(ex:PAL-28/F-BL/GR). Conduit connect with fitting can increase the waterproof grade to IP66, with seal can reach IP68.

Realinkage non-metallic conduits has passed many tests including CE, RoHS, UL Test, DIN5510, EN45545, Railway Ministry and others.

PAL-28/C-BL/GR



Realinkage would not stop creating new products according to customers' requirements, welcome to contact us if more detail needed.

Installation of conduit and fitting refers to technology information.

## PA Light Weight Conduit



CE ULtest DB EN45545

Material: Polyamide 6

Temperature range: -40°C ~ +120°C , short-term to 150°C

Properties: High flexibility, fire hazard, low smoke density, low toxicity, halogen free, high UV resistance and high fatigue life, self-extinguishing

Colour: Black(BL)/Grey(GR)

Protection Degree: IP66, IP68(For use with RL fitting & seal)

Applications: Machine tool, mechanical building, auto equipment, electric control system, shipping facilities etc

Conduit size	Part no.	A ( mm ) OD	B ( mm ) ID	C ( mm ) Min bend radius	Packing (m/roll)
13	PAL-13	13.0	10.2	25	50
16	PAL-16	15.8	12.0	35	50
17	PAL-17	17.0	13.4	35	50
18	PAL-18	18.5	14.7	40	50
21	PAL-21	21.2	17.6	45	50
26	PAL-26	26.0	21.7	50	50
28	PAL-28/F	28.5	23.7	50	50
28	PAL-28/C	28.5	22.6	50	50
34	PAL-34/F	34.5	29.0	60	50
34	PAL-34/C	34.5	29.0	60	50
42	PAL-42	42.5	35.7	65	25
54	PAL-54	54.5	48.0	75	25

## PA Light Weight Slit Conduit



CE ULtest DB EN45545

Material: Polyamide 6

Temperature range: -40°C ~ +120°C , short-term to 150°C

Applications: Machine tool, mechanical building, auto equipment, shipping facilities, transport installation, air-condition equipment, railway etc

Colour: Black(BL)/Grey(GR)

Properties: High flexibility, high abrasion resistance, fire hazard, low smoke density, low toxicity, halogen free, high UV resistance and high fatigue life

Conduit size	Part no.	A ( mm ) OD	B ( mm ) ID	C ( mm ) Min bend radius	Packing (m/roll)
10	PAL-10-S	10.1	6.6	15	50
13	PAL-13-S	13.0	10.2	25	50
16	PAL-16-S	15.8	12.0	35	50
21	PAL-21-S	21.2	17.6	45	50
28	PAL-28/F-S	28.5	23.7	50	50
34	PAL-34/F-S	34.5	29.0	60	50
42	PAL-42-S	42.5	35.7	65	25
54	PAL-54-S	54.5	48.0	75	25

## PA Standard Weight Conduit



CE ULtest DB EN45545  
China Railway No.67 test

Material: Polyamide 6

Temperature range: -40°C ~ +120°C , short-term to 150°C

Properties: High flexibility, high abrasion resistance, fire hazard, low smoke density, low toxicity, halogen free, high UV resistance and high fatigue life

Colour: Black(BL)/Grey(GR)

Protection Degree: IP66, IP68(For use with RL fitting & seal)

Applications: Machine tool, mechanical building, auto equipment, shipping facilities, transport installation, air-condition equipment, rail transportation, railway etc

Conduit size	Part no.	Special no.	A ( mm ) OD	B ( mm ) ID	C ( mm ) Min bend radius	Packing (m/roll)
10	PAS-10	PA6-7	10.0	6.5	15	50
13	PAS-13	PA6-10	13.0	10.1	25	50
16	PAS-16	PA6-12	15.8	11.9	35	50
18	PAS-18	-	18.5	14.6	40	50
21	PAS-21	PA6-17	21.2	17.5	45	50
28	PAS-28/F	PA6-23	28.5	23.6	50	50
28	PAS-28/C	-	28.5	22.5	50	50
34	PAS-34/F	PA6-29	34.5	28.9	60	50
34	PAS-34/C	-	34.5	28.9	60	50
42	PAS-42	PA6-36	42.5	35.6	65	25
54	PAS-54	PA6-48	54.5	47.9	75	25
67	PAS-67	PA6-56	67.2	56.7	130	10
80	PAS-80	PA6-70	79.6	66.6	170	10
106	PAS-106	PA6-95	106.5	92.5	225	10

## PA Standard Weight Slit Conduit



CE ULtest DB EN45545

Material: Polyamide 6

Temperature range: -40°C ~ +120°C , short-term to 150°C

Applications: Machine tool, mechanical building, auto equipment, electric control system, shipping facilities etc

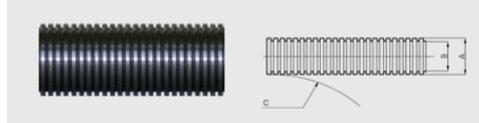
Colour: Black(BL)/Grey(GR)

Properties: High flexibility, fire hazard, low smoke density, low toxicity, halogen free, high UV resistance and high fatigue life, self-extinguishing

Conduit size	Part no.	A ( mm ) OD	B ( mm ) ID	C ( mm ) Min bend radius	Packing (m/roll)
10	PAS-10-S	10.0	6.5	15	50
13	PAS-13-S	13.0	10.1	25	50
16	PAS-16-S	15.8	11.9	35	50
18	PAS-18-S	18.5	14.6	40	50
21	PAS-21-S	21.2	17.5	45	50
28	PAS-28/F-S	28.5	23.6	50	50
34	PAS-34/F-S	34.5	28.9	60	50
42	PAS-42/C-S	42.5	35.6	65	25
54	PAS-54-S	54.5	47.9	75	25

Note: Special no. is for China railway passenger cars, other passenger vehicles, motor trains unit and special vehicle exclusive models

## PA Heavy Weight Conduit



CE ULtest DB EN45545  
China Railway No.67 test

Material: Polyamide 6  
Temperature range: -40°C ~ +120°C , short-term to 150°C  
Properties: High flexibility, fire hazard, low smoke density, low toxicity, halogen free, high UV resistance and high fatigue life, self-extinguishing

Colour: Black(BL)/Grey(GR)  
Protection Degree: IP66, IP68(For use with RL fitting & seal)  
Applications: Machine tool, mechanical building, auto equipment, shipping facilities, transport installation, air-condition equipment, rail transportation, railway etc

Conduit size	Part no.	Special no.	A ( mm ) OD	B ( mm ) ID	C ( mm ) Min bend radius	Packing (m/roll)
10	PAH-10	HPA6-7	10.1	6.6	15	50
13	PAH-13	HPA6-10	13.0	10.2	25	50
16	PAH-16	HPA6-12	15.8	12.0	35	50
21	PAH-21	HPA6-17	21.2	17.6	45	50
28	PAH-28/C	HPA6-23	28.5	23.7	50	50
34	PAH-34/C	HPA6-29	34.5	29.0	60	50
42	PAH-42	HPA6-36	42.5	35.7	65	25
54	PAH-54	HPA6-48	54.5	48.0	75	25

Note 1: Railway special model number is for railway passenger cars, other passenger vehicles, motor trains unit and special vehicle exclusive models

Note2: Coarse pitch is recommended to be applied to rail transit industry.

## PR Light Weight Conduit



CE ULtest

Material: Modified nylon  
Temperature range: -40°C ~ +120°C , short-term to 150°C  
Properties: High flexibility, fire hazard, low smoke density, low toxicity, halogen free, high UV resistance and high fatigue life, self-extinguishing

Colour: Black(BL)  
Flame-retardant: UL94-V0  
Protection Degree: IP66, IP68(For use with RL fitting & seal)  
Applications: Auto equipment, shipping facilities, transport installation, air-condition equipment etc

Conduit size	Part no.	A ( mm ) OD	B ( mm ) ID	C ( mm ) Min bend radius	Packing (m/roll)
13	PRL-13	13.0	10.3	25	100
16	PRL-16	15.8	12.1	35	50
17	PRL-17	17.0	13.5	35	50
18	PRL-18	18.5	14.8	40	50
21	PRL-21	21.2	17.9	45	50
26	PRL-26	26.0	21.8	50	50
28	PRL-28/F	28.5	23.8	50	50
28	PRL-28/C	28.5	22.6	50	50
34	PRL-34/F	34.5	29.1	60	50
34	PRL-34/C	34.5	29.1	60	50
42	PRL-42	42.5	35.8	65	25
54	PRL-54	54.5	48.1	75	25

## PR Standard Weight Conduit



Material: Modified nylon

Temperature range: -40°C ~ +120°C , short-term to 150°C

Protection Degree: IP66, IP68(For use with RL fitting & seal)

Applications: Machine tool, mechanical building, auto equipment, shipping facilities, transport installation, air-condition equipment, rail transportation, railway etc

Colour: Black(BL)

Flame-retardant: UL94-V0

Properties: High flexibility, fire hazard, low smoke density, low toxicity, halogen free, high UV resistance and high fatigue life, self-extinguishing

Conduit size	Part no.	A ( mm ) OD	B ( mm ) ID	C ( mm ) Min bend radius	Packing (m/roll)
10	PRS-10	10.0	6.5	15	50
13	PRS-13	13.0	10.1	25	50
16	PRS-16	15.8	11.9	35	50
17	PRS-17	17.0	13.3	35	50
18	PRS-18	18.5	14.6	40	50
21	PRS-21	21.2	17.5	45	50
26	PRS-26	26.0	21.6	50	50
28	PRS-28/F	28.5	23.6	50	50
28	PRS-28/C	28.5	22.5	50	50
34	PRS-34/F	34.5	28.9	60	50
34	PRS-34/C	34.5	28.9	60	50
42	PRS-42	42.5	35.6	65	25
54	PRS-54	54.5	47.9	75	25

## PI Light Weight Conduit



Material: Modified Polyamide 12

Temperature range: -50°C ~ +120°C , short-term to 150°C

Properties: Excellent flexibility, fire hazard, halogen free, high UV resistance and high fatigue life, self-extinguishing

Colour: Black(BL)/Grey(GR)

Protection Degree: IP66, IP68(For use with RL fitting & seal)

Applications: Machine building, electric equipment, machine tool, mechanical building ,auto equipment, electric control system, rail transportation, shipping facilities etc

Conduit size	Part no.	A ( mm ) OD	B ( mm ) ID	C ( mm ) Min bend radius	Packing (m/roll)
13	PIL-13	13.0	10.2	25	100
16	PIL-16	15.8	12.0	35	50
17	PIL-17	17.0	13.4	35	50
18	PIL-18	18.5	14.7	40	50
21	PIL-21	21.2	17.6	45	50
26	PIL-26	26.0	21.7	50	50
28	PIL-28/F	28.5	23.7	50	50
28	PIL-28/C	28.5	22.6	50	50
34	PIL-34/F	34.5	29.0	60	50
34	PIL-34/C	34.5	29.0	60	50
42	PIL-42	42.5	35.7	65	25
54	PIL-54	54.5	48.0	75	25

## PI Standard Weight Conduit



CE ULtest DB EN45545

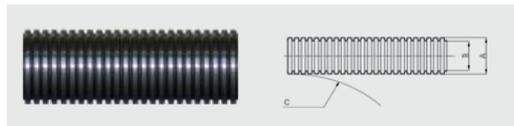
Material: Modified Polyamide 12  
 Temperature range: -50°C ~ +120°C , short-term to 150°C  
 Properties: Excellent flexibility, fire hazard, halogen free, high UV resistance and high fatigue life, self-extinguishing

Colour: Black(BL)/Grey(GR)  
 Protection Degree: IP66, IP68(For use with RL fitting & seal)  
 Applications: Machine building, electric equipment, machine tool, mechanical building ,auto equipment, electric control system, rail transportation, shipping facilities etc

Conduit size	型号 Part no.	A ( mm ) OD	B ( mm ) ID	C ( mm ) Min bend radius	Packing (m/roll)
10	PIS-10	10.0	6.2	15	200
13	PIS-13	13.0	10.1	25	100
16	PIS-16/F	15.8	11.9	30	50
16	PIS-16/C	15.8	11.2	30	50
21	PIS-21/F	21.2	17.5	35	50
21	PIS-21/C	21.2	17.0	35	50
28	PIS-28/F	28.5	23.6	45	50
28	PIS-28/C	28.5	22.5	-	50
34	PIS-34/F	34.5	28.9	55	25
34	PIS-34/C	34.5	28.9	-	25
42	PIS-42	42.5	35.6	60	25
54	PIS-54	54.5	47.9	70	25

Note: Coarse pitch is recommended to be applied to rail transit industry.

## PI Heavy Weight Conduit



CE ULtest DB EN45545

Material: Modified Polyamide 12  
 Temperature range: -50°C ~ +120°C , short-term to 150°C  
 Properties: Excellent flexibility, fire hazard, halogen free, high UV resistance and high fatigue life, self-extinguishing

Colour: Black(BL)/Grey(GR)  
 Protection Degree: IP66, IP68(For use with RL fitting & seal)  
 Applications: Machine building, electric equipment, machine tool, mechanical building ,auto equipment, electric control system, rail transportation, shipping facilities etc

Conduit size	Part no.	A ( mm ) OD	B ( mm ) ID	C ( mm ) Min bend radius	Packing (m/roll)
10	PIH-10	10.0	-	-	-
13	PIH-13	13.0	9.9	30	50
16	PIH-16	15.8	11.7	35	50
21	PIH-21	21.2	17.3	40	50
28	PIH-28/F	28.5	22.3	50	50
28	PIH-28/C	28.5	22.3	-	50
34	PIH-34/F	34.5	28.7	60	50
34	PIH-34/C	34.5	28.7	-	50
42	PIH-42	42.5	35.4	65	25
54	PIH-54	54.5	47.7	75	25

## PP Conduit



Material: Polypropylene  
 Temperature range: -20°C~+90°C  
 Properties: Acid resisting, halogen free, high fatigue life, high flexibility

Colour: Black(BL)/Grey(GR)/Orange(OR)  
 Protection Degree: IP68(For use with RL fitting & seal)  
 Applications: Acid resisting environments

Conduit size	Part no.	A ( mm ) OD	B ( mm ) ID	C ( mm ) Min bend radius	Packing (m/roll)
10	PP-10	10.0	6.5	15	200
13	PP-13	13.0	10.0	20	100
16	PP-16	15.8	12.0	30	100
21	PP-21	21.2	16.8	40	100
28	PP-28	28.5	22.0	50	100
34	PP-34	34.5	28.0	60	50
42	PP-42	42.5	36.0	80	25
54	PP-54	54.5	46.5	100	25

## PP Frconduit



Material: Polypropylene  
 Temperature range: -20°C~+90°C  
 Properties: Acid resisting, halogen free, high fatigue life, high flexibility

Colour: Black(BL)/Grey(GR)/Orange(OR)  
 Protection Degree: IP68(For use with RL fitting & seal)  
 Applications: Acid resisting environments

Conduit size	Part no.	A ( mm ) OD	B ( mm ) ID	C ( mm ) Min bend radius	Packing (m/roll)
10	PP-V0-10	10.0	6.5	15	200
13	PP-V0-13	13.0	10.0	20	100
16	PP-V0-16	15.8	12.0	30	100
21	PP-V0-21	21.2	16.8	40	100
28	PP-V0-28	28.5	22.0	50	100
34	PP-V0-34	34.5	28.0	60	50
42	PP-V0-42	42.5	36.0	80	25
54	PP-V0-54	54.5	46.5	100	25

## PP Slit Conduit



Material: Polypropylene

Temperature range: -20°C~+90°C

Properties: Acid resisting, halogen free, high fatigue life, high flexibility

Colour: Black(BL)/Grey(GR)/Orange(OR)

Applications: Acid resisting environments

Conduit size	Part no.	A ( mm ) OD	B ( mm ) ID	C ( mm ) Min bend radius	Packing (m/roll)
10	PP-10-S	10.0	6.5	15	200
13	PP-13-S	13.0	10.0	20	100
16	PP-16-S	15.8	12.0	30	100
21	PP-21-S	21.2	16.0	40	100
28	PP-28-S	28.5	22.0	50	100
34	PP-34-S	34.5	28.0	60	50
42	PP-42-S	42.5	36.0	80	25
54	PP-54-S	54.5	46.5	100	25

## Economical Conduit



Material: Polyamide 6

Temperature range: -40°C ~ +120°C

Properties: Flexible and excellent tenacity, thin wall thickness, glossy surface, wind resistant, high mechanical strength, resistant to oil, acid and solvents. anti-friction, UV-resistant, free of halogen, phosphor and cadmium.

Colour: Black(BL)

Protection Degree: IP66, IP68(For use with RL fitting & seal)

Applications: Machine tool, mechanical building, electric control system etc.

Conduit size	Part no.	A ( mm ) OD	B ( mm ) ID	C ( mm ) Min bend radius	Packing (m/roll)
10	PA6-AD10.0	10.0	6.5	13	100
13	PA6- AD13.0	13.0	10.0	20	100
16	PA6- AD15.8	15.8	12.0	35	50
18	PA6- AD18.5	18.5	14.3	40	50
21	PA6- AD21.2	21.2	16.5	45	50
28	PA6- AD28.5	28.5	23.0	55	50
34	PA6- AD34.5	34.5	29.0	65	50
42	PA6- AD42.5	42.5	36.0	90	25
54	PA6- AD54.5	54.5	48.0	100	25



Re linkage never stop to research and development of new products to meet the requirements of customers.



# NON-METALLIC FITTINGS

Realinkage non-metallic fittings includes straight fitting, 45° Elbow fitting, and 90° Elbow fitting, rotary joint. There are external threads and internal threads available. What's more, there are Y fitting, T fitting, Flange fitting for choice.

Realinkage conduit which connect with fitting range from 10mm to 106mm, there are M, PG and UNEF thread.

Color black and grey are available for choice. Conduit connect with fitting can increase the waterproof grade to IP66, with seal can reach IP68.

Realinkage non-metallic conduits has passed many tests including CE, RoHS, UL Test, EN45545, Railway Ministry and others.

## RL Straight fitting-fixed external thread



### Certification and Characteristics

CE ULtest EN45545

Material: Polyamide 66

Temperature range: -45°C~+120°C, short-term to 150°C

Protection Degree: IP66, IP68

Properties: Self-extinguishing, free of halogen, phosphor and cadmium, with excellent impact strength.

## RL 45° Elbow fitting with metal external thread



### Certification and Characteristics

CE ULtest EN45545

Material: Polyamide 66, Nickel plated brass thread

Temperature range: -45°C~+120°C, short-term to 150°C

Protection Degree: IP66, IP68

Properties: Self-extinguishing, free of halogen, phosphor and cadmium, with excellent impact strength.

## RL/X 90° Elbow fitting, swivel, with metal external thread



### Certification and Characteristics

CE ULtest EN45545

Material: Polyamide 66, Nickel plated brass thread

Temperature range: -45°C~+120°C, short-term to 150°C

Protection Degree: IP66, IP68

Properties: Free of halogens and cadmium, very high impact resistance, high thread and system connection strength, suitable for occasional rotation.

## T Fitting



### Certification and Characteristics

CE ULtest EN45545

Material: Polyamide 66

Temperature range: -45°C~+120°C, short-term to 150°C

Protection Degree: IP66, IP68

Properties: Free of halogens and cadmium, very high impact resistance, high conduit pullout strength.

## Accessories



### Certification and Characteristics

CE

Fitting conversion adapter

Thread Sealing Washer

Conduit protection cap

Conduit Clips

Seal

Locknut

Anti-Vibration Washer

Plug

# 9/10

## RL Straight fitting-fixed external thread

Material: Polyamide 66

Colour: Black(BL) /Grey(GR)

Temperature range: -45°C ~ +120°C , short-term to 150°C

Protection Degree: IP66, IP68(For use with conduits & RLS seal)

Properties: Self-extinguishing, free of halogen, phosphor and cadmium, with excellent impact strength.



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China Railway No.67 test

### METRIC THREAD

Fits to Conduit size	Part no.	Special no.	A Thread	B	C	D	E	F	Packing (pcs)
10	RL10-M12-A	DKPA66-7-M12x1.5	M12X1.5	10.0	34.6	18.0	7.5	18.0	50
13	RL13-M16-A	DKPA66-10-M16x1.5	M16X1.5	11.8	43.0	20.0	11.4	22.0	50
16	RL16-M16-A	DKPA66-12-M16x1.5	M16X1.5	12.0	45.0	22.0	11.6	22.0	50
16	RL16-M20-A	DKPA66-12-M20x1.5	M20X1.5	13.0	46.4	22.0	12.4	26.0	50
21	RL21-M20-A	DKPA66-17-M20x1.5	M20X1.5	14.0	49.0	28.5	15.0	27.0	50
28	RL28-M25-A	DKPA66-23-M25x1.5	M25X1.5	16.0	52.9	37.0	20.3	35.7	50
34	RL34-M32-A	DKPA66-29-M32x1.5	M32X1.5	16.3	54.3	43.5	26.5	41.5	30
42	RL42-M40-A	DKPA66-36-M40x1.5	M40X1.5	16.0	63.0	53.0	31.3	53.0	30
54	RL54-M50-A	DKPA66-48-M50x1.5	M50X1.5	15.5	68.5	66.0	40.5	66.0	10
54	RL54-M63-A	DKPA66-48-M63x1.5	M63X1.5	16.0	69.0	66.0	47.0	73.0	10

### PG THREAD

Fits to Conduit size	Part no.	Special no.	A Thread	B	C	D	E	F	Packing (pcs)
10	RL10-PG7-A	DKPA66-7-PG7	PG7	10.0	24.6	18.0	7.5	18.0	50
13	RL13-PG9-A	DKPA66-10-PG9	PG9	11.0	42.2	20.0	11.4	22.0	50
16	RL16-PG11-A	DKPA66-12-PG11	PG11	11.0	44.0	22.0	12.5	25.0	50
21	RL21-PG13-A	DKPA66-17-PG13	PG13.5	11.5	46.5	28.5	15.5	28.0	50
21	RL21-PG16-A	DKPA66-17-PG16	PG16	11.5	46.5	28.5	17.7	30.0	50
28	RL28-PG21-A	DKPA66-23-PG21	PG21	12.0	49.0	37.0	22.3	38.0	50
34	RL34-PG29-A	DKPA66-29-PG29	PG29	12.0	49.0	43.5	30.0	45.0	30
42	RL42-PG36-A	DKPA66-36-PG36	PG36	12.0	60.0	53.0	38.0	59.0	30
54	RL54-PG48-A	DKPA66-48-PG48	PG48	15.0	68.0	66.0	50.0	69.0	10

Note: Special no. is for China railway passenger cars, other passenger vehicles, motor trains unit and special vehicle exclusive models

## RL 45°Elbow fitting-fixed external thread

Material: Polyamide 66

Colour: Black(BL) /Grey(GR)

Temperature range: -45°C ~ +120°C , short-term to 150°C

Protection Degree: IP66, IP68(For use with conduits & RLS seal)

Properties: Self-extinguishing, free of halogen, phosphor and cadmium, with



CE  ULtest EN45545

### METRIC THREAD

Fits to Conduit size	Part no.	A Thread	B	C	D	E	F	G	Packing (pcs)
13	RL13-M16-45	M16X1.5	11.5	41.2	20.0	11.4	22.0	37.6	50
16	RL16-M16-45	M16X1.5	11.5	43.5	22.0	11.6	22.0	40.9	50
21	RL21-M20-45	M20X1.5	13.0	50.2	28.5	15.0	27.0	44.7	50
28	RL28-M25-45	M25X1.5	16.0	61.4	37.0	20.3	36.0	53.9	50
34	RL34-M32-45	M32X1.5	16.0	64.7	43.5	26.5	42.0	58.9	20
42	RL42-M40-45	M40X1.5	16.0	85.7	53.0	31.3	53.0	75.2	20
54	RL54-M50-45	M50X1.5	16.0	102.9	66.0	40.5	67.0	90.0	10
54	RL54-M63-45	M63X1.5	16.0	106.0	66.0	47.0	73.0	90.0	10

### PG THREAD

Fits to Conduit size	Part no.	A Thread	B	C	D	E	F	G	Packing (pcs)
13	RL13-PG9-45	PG9	11.0	41.2	20.0	11.4	22.0	37.6	50
16	RL16-PG11-45	PG11	11.0	45.0	22.0	12.5	25.0	40.9	50
21	RL21-PG13-45	PG13	11.5	50.7	23.0	15.5	28.0	44.7	50
21	RL21-PG16-45	PG16	11.5	51.7	28.5	17.7	30.0	44.7	50
28	RL28-PG21-45	PG21	12.0	61.3	37.0	21.5	36.0	53.9	50
34	RL34-PG29-45	PG29	12.0	66.2	43.5	28.0	45.0	58.8	20
42	RL42-PG36-45	PG36	12.0	88.7	53.0	38.0	59.0	75.2	20
54	RL54-PG48-45	PG48	15.0	101.9	66.0	50.0	69.0	90.0	10

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## RL 90°Elbow fitting-fixed external thread

Material: Polyamide 66

Colour: Black(BL) /Grey(GR)

Temperature range: -45°C ~ +120°C , short-term to 150°C

Protection Degree: IP66, IP68(For use with conduits & RLS seal)

Properties: Self-extinguishing, free of halogen, phosphor and cadmium, with excellent impact strength.



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China Railway No.67 test

### METRIC THREAD

Fits to Conduit size	Part no.	Special no.	A Thread	B	C	D	E	F	G	Packing (pcs)
10	RL10-M12-C90	DKPA66-7-M12x1.5-C90	M12X1.5	10.0	39.0	18.0	7.5	18.0	57.0	50
13	RL13-M16-C90	DKPA66-10-M16x1.5-C90	M16X1.5	11.5	38.6	20.0	11.4	22.0	59.8	50
16	RL16-M16-C90	DKPA66-12-M16x1.5-C90	M16X1.5	11.5	39.5	22.0	11.6	22.0	60.5	50
16	RL16-M20-C90	DKPA66-12-M20x1.5-C90	M20X1.5	-	-	-	-	-	-	50
21	RL21-M20-C90	DKPA66-17-M20x1.5-C90	M20X1.5	13.0	47.5	28.5	15.0	27.0	66.1	50
28	RL28-M25-C90	DKPA66-23-M25x1.5-C90	M25X1.5	16.0	58.2	37.0	20.3	35.0	76.5	20
34	RL34-M32-C90	DKPA66-29-M32x1.5-C90	M32X1.5	16.0	70.0	43.5	26.5	42.0	87.5	20
42	RL42-M40-C90	DKPA66-36-M40x1.5-C90	M40X1.5	16.0	84.5	53.0	31.3	53.0	114.0	10
54	RL54-M50-C90	DKPA66-48-M50x1.5-C90	M50X1.5	16.0	98.0	66.0	40.5	66.0	130.0	5
54	RL54-M63-C90	DKPA66-48-M63X1.5-C90	M63X1.5	16.0	98.0	66.0	47.0	73.0	133.5	5

### PG THREAD

Fits to Conduit size	Part no.	Special no.	A Thread	B	C	D	E	F	G	Packing (pcs)
10	RL10-PG7-C90	DKPA66-7-PG7-C90	PG7	10.0	39.0	18.0	7.5	18.0	57.0	50
13	RL13-PG9-C90	DKPA66-10-PG9-C90	PG9	11.5	38.6	20.0	11.4	22.0	59.8	50
16	RL16-PG11-C90	DKPA66-12-PG9-C90	PG11	11.0	39.0	22.0	12.5	25.0	62.0	50
21	RL21-PG13-C90	DKPA66-17-PG13-C90	PG13.5	11.5	46.0	28.5	15.5	28.0	66.6	50
21	RL21-PG16-C90	DKPA66-17-PG16-C90	PG16	11.5	46.0	28.5	17.7	30.0	67.6	50
28	RL28-PG21-C90	DKPA66-23-PG21-C90	PG21	13.0	55.2	37.0	22.3	38.0	78.0	20
34	RL34-PG29-C90	DKPA66-29-PG34-C90	PG29	13.0	67.0	43.5	30.0	45.0	89.0	20
42	RL42-PG36-C90	DKPA66-36-PG36-C90	PG36	14.0	82.5	53.0	38.0	59.0	117.0	10
54	RL54-PG48-C90	DKPA66-48-PG48-C90	PG48	15.0	97.0	66.0	49.3	69.0	131.5	5

Note: Special no. is for China railway passenger cars, other passenger vehicles, motor trains unit and special vehicle exclusive models

## RL Straight fitting with metal external thread

Material: Polyamide 66, Nickel plated brass thread

Colour: Black(BL) /Grey(GR)

Temperature range: -45°C ~ +120°C , short-term to 150°C

Protection Degree: IP66, IP68(For use with conduits & RLS seal)

Properties: Self-extinguishing, free of halogen, phosphor and cadmium, with excellent impact strength.

  **ULtest EN45545**  
China Railway No.67 test



### METRIC THREAD

Fits to Conduit size	Part no.	Special no.	A Thread	B	C	D	E	F	Packing (pcs)
13	RL13-M16-SA	DKPA66-10-M16x1.5-S	M16X1.5	11.5	46.5	20.0	10.7	22.0	50
16	RL16-M16-SA	DKPA66-12-M16x1.5-S	M16X1.5	11.5	46.5	22.0	10.7	22.0	50
21	RL21-M20-SA	DKPA66-17-M20x1.5-S	M20X1.5	14.0	50.7	28.5	14.5	27.0	50
28	RL28-M25-SA	DKPA66-23-M25x1.5-S	M25X1.5	16.0	55.8	37.0	19.0	35.5	50
34	RL34-M32-SA	DKPA66-29-M32x1.5-S	M32X1.5	16.0	55.4	43.5	25.5	42.0	30
42	RL42-M40-SA	DKPA66-36-M40x1.5-S	M40X1.5	16.0	66.0	53.0	31.7	53.0	30
54	RL54-M50-SA	DKPA66-48-M50x1.5-S	M50X1.5	16.0	70.4	66.0	41.2	66.0	10
54	RL54-M63-SA	DKPA66-48-M63x1.5-S	M63X1.5	16.0	70.5	66.0	47.0	73.0	10

### PG THREAD

Fits to Conduit size	Part no.	Special no.	A Thread	B	C	D	E	F	Packing (pcs)
13	RL13-PG9-SA	DKPA66-10-PG9-S	PG9	12.0	47.0	20.0	10.5	22.0	50
16	RL16-PG11-SA	DKPA66-12-PG11-S	PG11	12.0	47.0	22.0	12.5	25.0	50
21	RL21-PG13-SA	DKPA66-17-PG13-S	PG13.5	13.0	49.2	28.5	14.5	28.0	50
21	RL21-PG16-SA	DKPA66-17-PG16-S	PG16	13.0	49.2	28.5	17.5	30.0	50
28	RL28-PG21-SA	DKPA66-23-PG21-S	PG21	14.0	53.8	37.0	22.0	38.0	50
34	RL34-PG29-SA	DKPA66-29-PG29-S	PG29	14.0	53.4	43.5	29.0	45.0	30
42	RL42-PG36-SA	DKPA66-36-PG36-S	PG36	17.0	67.0	53.0	38.0	59.0	30
54	RL54-PG48-SA	DKPA66-48-PG48-S	PG48	17.0	71.4	66.0	49.0	69.0	10

Note: Special no. is for China railway passenger cars, other passenger vehicles, motor trains unit and special vehicle exclusive models

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## RL 45° Elbow fitting with metal external thread

Material: Polyamide 66, Nickel plated brass thread

Colour: Black(BL) /Grey(GR)

Temperature range: -45°C ~ +120°C , short-term to 150°C

Protection Degree: IP66, IP68(For use with conduits & RLS seal)

Properties: Self-extinguishing, free of halogen, phosphor and cadmium, with excellent impact strength.

CE  ULtest EN45545



### METRIC THREAD

Fits to Conduit size	Part no.	A Thread	B	C	D	E	F	G	Packing (pcs)
13	RL13-M16-S45	M16X1.5	11.5	41.2	20.0	10.7	22.0	40.9	50
16	RL16-M16-S45	M16X1.5	11.5	43.5	22.0	10.7	22.0	43.9	50
21	RL21-M20-S45	M20X1.5	14.0	50.2	28.5	14.5	27.0	47.7	50
28	RL28-M25-S45	M25X1.5	16.0	61.4	37.0	19.0	36.0	56.4	50
34	RL34-M32-S45	M32X1.5	16.0	65.0	43.5	25.5	43.0	56.3	20
42	RL42-M40-S45	M40X1.5	16.0	85.7	53.0	31.7	53.0	76.2	20
54	RL54-M50-S45	M50X1.5	16.0	102.9	66.0	41.2	67.0	90.0	10
54	RL54-M63-S45	M63X1.5	16.0	106.0	66.0	47.0	73.0	90.0	10

### PG THREAD

Fits to Conduit size	Part no.	A Thread	B	C	D	E	F	G	Packing (pcs)
13	RL13-PG9-S45	PG9	12.0	41.2	20.0	10.5	22.0	40.9	50
16	RL16-PG11-S45	PG11	12.0	45.0	22.0	12.5	25.0	43.9	50
21	RL21-PG13-S45	PG13	13.0	50.7	23.0	14.5	28.0	47.7	50
21	RL21-PG16-S45	PG16	13.0	51.7	28.5	17.5	30.0	47.7	50
28	RL28-PG21-S45	PG21	14.0	62.4	37.0	22.0	38.0	56.4	50
34	RL34-PG29-S45	PG29	14.0	66.2	43.5	39.0	45.0	56.3	20
42	RL42-PG36-S45	PG36	17.0	88.7	53.0	38.0	59.0	76.2	20
54	RL54-PG48-S45	PG48	17.0	101.9	66.0	49.0	69.0	90.0	10

## RL 90° Elbow fitting with metal external thread

Material: Polyamide 66, Nickel plated brass thread

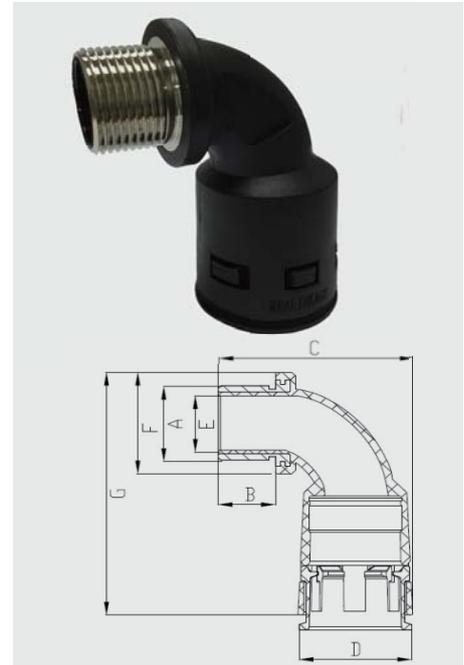
Colour: Black(BL) /Grey(GR)

Temperature range: -45°C ~ +120°C , short-term to 150°C

Protection Degree: IP66, IP68(For use with conduits & RLS seal)

Properties: Self-extinguishing, free of halogen, phosphor and cadmium, with excellent impact strength.

**CE**  **ULtest EN45545**  
China Railway No.67 test



### METRIC THREAD

Fits to Conduit size	Part no.	Special no.	A Thread	B	C	D	E	F	G	Packing (pcs)
13	RL13-M16-CS90	DKPA66-10-M16x1.5-CS90	M16X1.5	11.5	40.6	20.0	10.7	22.0	59.8	50
16	RL16-M16-CS90	DKPA66-12-M16x1.5-CS90	M16X1.5	11.5	41.4	22.0	10.7	22.0	61.5	50
21	RL21-M20-CS90	DKPA66-17-M20x1.5-CS90	M20X1.5	14.0	48.1	28.5	14.5	27.0	66.1	50
28	RL28-M25-CS90	DKPA66-23-M25x1.5-CS90	M25X1.5	16.0	58.8	37.0	19.0	35.0	77.7	20
34	RL34-M32-CS90	DKPA66-29-M32x1.5-CS90	M32X1.5	16.0	68.8	43.5	25.5	42.0	90.4	20
42	RL42-M40-CS90	DKPA66-36-M40x1.5-CS90	M40X1.5	16.0	85.5	53.0	31.7	53.0	114.0	10
54	RL54-M50-CS90	DKPA66-48-M50x1.5-CS90	M50X1.5	16.0	98.0	66.0	41.2	66.0	130.0	5
54	RL54-M63-CS90	DKPA66-48-M63x1.5-CS90	M63X1.5	16.0	98.0	66.0	47.0	73.0	133.5	5

### PG THREAD

Fits to Conduit size	Part no.	Special no.	A Thread	B	C	D	E	F	G	Packing (pcs)
13	RL13-PG9-CS90	DKPA66-10-PG9-CS90	PG9	12.0	40.1	20.0	8.0	22.0	59.8	50
16	RL16-PG11-CS90	DKPA66-12-PG9-CS90	PG11	12.0	40.9	22.0	12.5	22.0	61.5	50
21	RL21-PG13-CS90	DKPA66-17-PG13-CS90	PG13.5	13.0	45.6	28.5	15.5	28.0	66.6	50
21	RL21-PG16-CS90	DKPA66-17-PG16-CS90	PG16	13.0	45.6	28.5	17.7	30.0	67.6	50
28	RL28-PG21-CS90	DKPA66-23-PG21-CS90	PG21	14.0	55.8	37.0	22.3	38.0	78.0	20
34	RL34-PG29-CS90	DKPA66-29-PG34-CS90	PG29	14.0	65.8	43.5	30.0	45.0	91.9	20
42	RL42-PG36-CS90	DKPA66-36-PG36-CS90	PG36	17.0	83.5	53.0	38.0	59.0	117.0	10
54	RL54-PG48-CS90	DKPA66-48-PG48-CS90	PG48	17.0	97.0	66.0	49.3	69.0	131.5	5

Note: Special no. is for China railway passenger cars, other passenger vehicles, motor trains unit and special vehicle exclusive models

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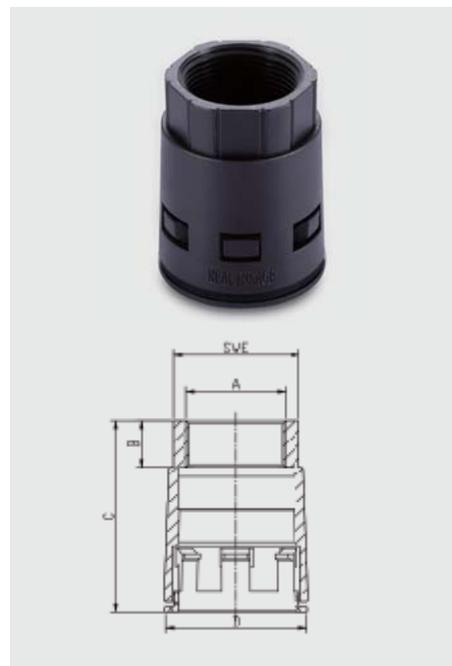
## RL Nylon internal thread straight fitting

Material: Polyamide 66

Colour: Black(BL)

Temperature range: -45°C ~ +120°C , short-term to 150°C

Protection Degree: IP66, IP68(For use with conduits & RLS seal)



CE  ULtest EN45545

### METRIC THREAD

Fits to Conduit size	Part no.	A Thread	B	C	D	E	Packing (pcs)
13	RL13-M16-FA	M16X1.5	10.0	41.2	20.0	21.0	50
16	RL16-M16-FA	M16X1.5	10.0	43.0	22.0	21.0	50
21	RL21-M20-FA	M20X1.5	12.0	46.8	28.5	25.0	50
28	RL28-M25-FA	M25X1.5	12.0	47.0	37.0	30.0	50
34	RL34-M32-FA	M32X1.5	17.5	52.5	43.5	37.0	30
42	RL42-M40-FA	M40X1.5	17.5	64.5	53.0	45.0	30
54	RL54-M50-FA	M50X1.5	17.5	70.2	66.0	55.0	10

### PG THREAD

Fits to Conduit size	Part no.	A Thread	B	C	D	E	Packing (pcs)
13	RL13-PG9-FA	PG9	11.5	42.5	20.0	21.0	50
16	RL16-PG11-FA	PG11	15.0	48.0	22.0	24.0	50
21	RL21-PG16-FA	PG16	16.0	50.8	28.5	28.0	50
28	RL28-PG21-FA	PG21	16.0	51.0	37.0	34.0	50
34	RL34-PG29-FA	PG29	17.5	52.5	43.5	42.0	30
42	RL42-PG36-FA	PG36	17.5	64.5	53.0	52.0	30
54	RL54-PG48-FA	PG48	17.5	70.2	66.0	64.0	10

## RL Straight fitting with metal internal thread

Material: Polyamide 66, Nickel plated brass thread

Colour: Black(BL) /Grey(GR)

Temperature range: -45°C ~ +120°C , short-term to 150°C

Protection Degree: IP66, IP68(For use with conduits & RLS seal)

Properties: Self-extinguishing, free of halogen, phosphor and cadmium, with excellent impact strength.

**CE**  **ULtest EN45545**  
China Railway No.67 test



### METRIC THREAD

Fits to Conduit size	Part no.	Special no.	A Thread	B	C	D	E	F	Packing (pcs)
13	RL13-M16-SFA	LPA66-10-1/4	M16X1.5	13.5	54.2	20.0	10.7	24.0	50
16	RL16-M16-SFA	LPA66-12-3/8	M16X1.5	14.0	56.2	22.0	11.0	27.0	50
21	RL21-M20-SFA	LPA66-17-1/2	M20X1.5	14.0	47.5	28.5	15.0	32.0	50
28	RL28-M25-SFA	LPA66-23-3/4	M25X1.5	15.0	52.0	37.0	20.0	37.0	50
34	RL34-M32-SFA	LPA66-29-1	M32X1.5	15.0	53.3	43.5	25.5	47.0	30
42	RL42-M40-SFA	LPA66-36-1-1/4	M40X1.5	16.0	65.5	53.0	32.0	53.0	30
54	RL54-M50-SFA	LPA66-48-1-1/2	M50X1.5	16.0	73.5	66.0	42.5	63.0	10

### PG THREAD

Fits to Conduit size	Part no.	Special no.	A Thread	B	C	D	E	F	Packing (pcs)
13	RL13-PG9-SFA	LPA66-10-PG9	PG9	12.0	52.2	20.0	10.5	24.0	50
16	RL16-PG11-SFA	LPA66-12-PG11	PG11	12.0	54.0	22.0	11.0	27.0	50
21	RL21-PG13-SFA	LPA66-17-PG13	PG13	14.0	57.7	28.5	14.5	32.0	50
21	RL21-PG16-SFA	LPA66-17-PG16	PG16	14.0	58.2	28.5	17.5	34.0	50
28	RL28-PG21-SFA	LPA66-23-PG21	PG21	14.0	60.8	37.0	20.5	39.0	50
34	RL34-PG29-SFA	LPA66-29-PG29	PG29	14.0	61.8	43.5	29.0	49.0	30
42	RL42-PG36-SFA	LPA66-36-PG36	PG36	16.0	73.6	53.0	38.0	59.0	30
54	RL54-PG48-SFA	LPA66-48-PG48	PG48	16.0	82.7	66.0	49.0	70.0	10

Note: Special no. is for China railway passenger cars, other passenger vehicles, motor trains unit and special vehicle exclusive models

# 17/18

## RL Straight fitting with metal internal thread

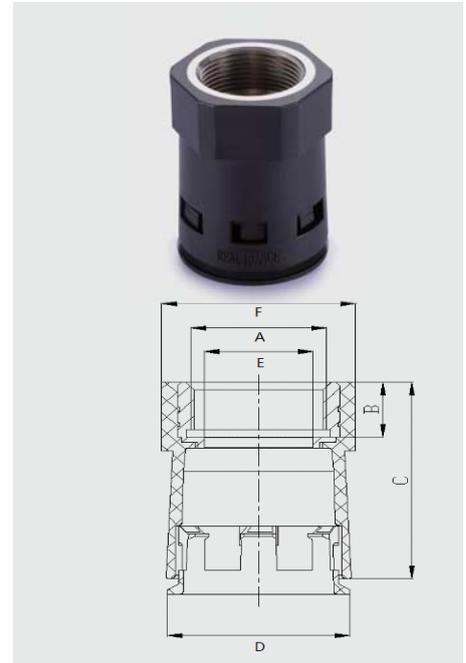
Material: Polyamide 66, Nickel plated brass thread

Colour: Black(BL) /Grey(GR)

Temperature range: -45°C ~ +120°C , short-term to 150°C

Protection Degree: IP66, IP68(For use with conduits & RLS seal)

Properties: Self-extinguishing, free of halogen, phosphor and cadmium, with excellent impact strength.



**CE**  **ULtest EN45545**  
China Railway No.67 test

### UNE F THREAD

Fits to Conduit size	Part no.	Special no.	A Thread	B	C	D	E	F	Packing (pcs)
13	RL13-U063-SFA	-	5/8" -24	14.0	54.2	20.0	10.7	24.0	50
16	RL16-U063-SFA	-	5/8" -24	14.0	56.2	22.0	11.0	27.0	50
16	RL16-U075-SFA	-	3/4" -20	14.0	56.2	22.0	11.0	27.0	50
21	RL21U-075-SFA	-	3/4" -20	14.0	47.5	28.5	15.0	32.0	50
21	RL21-U081-SFA	-	13/16" -20	14.0	47.5	28.5	15.0	32.0	50
28	RL28-U094-SFA	-	15/16" -20	15.0	52.0	37.0	20.0	37.0	50
28	RL28-U100-SFA	-	1" -20	15.0	52.0	37.0	20.0	37.0	50
34	RL34-U113-SFA	-	1 1/8" -18	15.0	53.3	43.5	25.5	47.0	30
34	RL34-U119-SFA	-	1 3/16" -18	15.0	53.3	43.5	25.5	47.0	30
34	RL34-U125-SFA	-	1 1/4" -18	15.0	53.3	43.5	25.5	47.0	30
34	RL34-U131-SFA	-	1 5/16" -18	15.0	53.3	43.5	25.5	47.0	30
34	RL34-U138-SFA	-	1 3/8" -18	15.0	53.3	43.5	25.5	47.0	30
42	RL42-U144-SFA	-	1 7/16" -18	16.0	65.5	53.0	32.0	53.0	30
42	RL42-U175-SFA	-	1 3/4" -18	16.0	65.5	53.0	32.0	53.0	30
54	RL54-U200-SFA	-	2" -18	16.0	73.5	66.0	42.5	63.0	10

Note: Special no. is for China railway passenger cars, other passenger vehicles, motor trains unit and special vehicle exclusive models

## RL 90° Elbow fitting with metal internal thread

Material: Polyamide 66, Nickel plated brass thread

Colour: Black(BL) /Grey(GR)

Temperature range: -45°C ~ +120°C , short-term to 150°C

Protection Degree: IP66, IP68(For use with conduits & RLS seal)

Properties: Self-extinguishing, free of halogen, phosphor and cadmium, with excellent impact strength.

**CE**  **ULtest EN45545**  
China Railway No.67 test



### METRIC THREAD

Fits to Conduit size	Part no.	Special no.	A Thread	B	C	D	E	F	G	Packing (pcs)
13	RL13-M16-SF90	LPA66-10-1/4-SF90	M16X1.5	14.0	43.1	20.0	10.7	24.0	60.8	50
16	RL16-M16-SF90	LPA66-12-3/8-SF90	M16X1.5	14.0	43.9	22.0	11.0	27.0	64.0	50
21	RL21-M20-SF90	LPA66-17-1/2-SF90	M20X1.5	15.0	49.1	28.5	15.0	32.0	68.6	50
28	RL28-M25-SF90	LPA66-23-3/4-SF90	M25X1.5	15.0	57.8	37.0	20.0	37.0	78.7	20
34	RL34-M32-SF90	LPA66-29-1-SF90	M32X1.5	15.0	67.8	43.5	25.5	47.0	92.9	20
42	RL42-M40-SF90	LPA66-36-1-1/4-SF90	M40X1.5	16.0	85.5	53.0	32.0	53.0	114.0	10
54	RL54-M50-SF90	LPA66-48-1-1/2-SF90	M50X1.5	16.0	98.0	66.0	42.5	63.0	131.5	5

### PG THREAD

Fits to Conduit size	Part no.	Special no.	A Thread	B	C	D	E	F	G	Packing (pcs)
13	RL13-PG9-SF90	LPA66-10-PG9-SF90	PG9	12.0	41.1	20.0	10.5	24.0	60.8	50
16	RL16-PG11-SF90	LPA66-12-PG11-SF90	PG11	12.0	41.9	22.0	11.0	27.0	64.0	50
21	RL21-PG13-SF90	LPA66-17-PG13-SF90	PG13.5	14.0	48.1	28.5	14.5	32.0	68.6	50
21	RL21-PG16-SF90	LPA66-17-PG16-SF90	PG16	14.0	48.1	28.5	17.5	34.0	69.6	50
28	RL28-PG21-SF90	LPA66-23-PG21-SF90	PG21	14.0	56.8	37.0	20.5	39.0	79.7	20
34	RL34-PG29-SF90	LPA66-29-PG29-SF90	PG29	14.0	66.8	43.5	29.0	49.0	93.9	20
42	RL42-PG36-SF90	LPA66-36-PG36-SF90	PG36	16.0	85.5	53.0	38.0	59.0	117.0	10
54	RL54-PG48-SF90	-	PG48	16.0	98.0	66.0	49.0	70.0	132.0	5

Note: Special no. is for China railway passenger cars, other passenger vehicles, motor trains unit and special vehicle exclusive models

# 19/20

## RL 90° Elbow fitting with metal internal thread

Material: Polyamide 66, Nickel plated brass thread

Colour: Black(BL) /Grey(GR)

Temperature range: -45°C ~ +120°C , short-term to 150°C

Protection Degree: IP66, IP68(For use with conduits & RLS seal)

Properties: Self-extinguishing, free of halogen, phosphor and cadmium, with excellent impact strength.



**CE**  **ULtest EN45545**  
China Railway No.67 test

### UNEF THREAD

Fits to Conduit size	Part no.	Special no.	A Thread	B	C	D	E	F	G	Packing (pcs)
13	RL13-U063-SF90	-	5/8" -24	14.0	43.1	20.0	10.7	24.0	60.8	50
16	RL16-U063-SF90	-	5/8" -24	14.0	43.9	22.0	11.0	27.0	64.0	50
16	RL16-U075-SF90	-	3/4" -20	14.0	43.9	22.0	11.0	27.0	64.0	50
21	RL21-U075-SF90	-	3/4" -20	15.0	49.1	28.5	15.0	32.0	68.6	50
21	RL21-U081-SF90	-	3/16" -20	15.0	49.1	28.5	15.0	32.0	68.6	50
28	RL28-U094-SF90	-	15/16" -20	15.0	57.8	37.0	20.0	37.0	78.7	20
28	RL28-U100-SF90	-	1" -20	15.0	57.8	37.0	20.0	37.0	78.7	20
34	RL34-U113-SF90	-	1 1/8" -18	15.0	67.8	43.5	25.5	47.0	92.9	20
34	RL34-U119-SF90	-	1 3/16" -18	15.0	67.8	43.5	25.5	47.0	92.9	20
34	RL34-U125-SF90	-	1 1/4" -18	15.0	67.8	43.5	25.5	47.0	92.9	20
34	RL34-U131-SF90	-	1 5/16" -18	15.0	67.8	43.5	25.5	47.0	92.9	20
34	RL34-U138-SF90	-	1 3/8" -18	15.0	67.8	43.5	25.5	47.0	92.9	20
42	RL42-U144-SF90	-	1 7/16" -18	16.0	85.5	53.0	32.0	53.0	114.0	10
42	RL42-U175-SF90	-	1 3/4" -18	16.0	85.5	53.0	32.0	53.0	114.0	10
54	RL54-U200-SF90	-	2" -18	16.0	98.0	66.0	42.5	63.0	131.5	5

Note: Special no. is for China railway passenger cars, other passenger vehicles, motor trains unit and special vehicle exclusive models

## AJ nylon fitting

Material: Polyamide 66

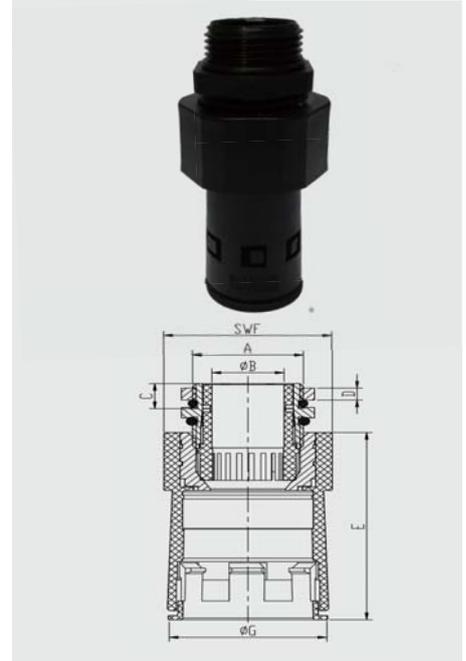
Colour: Black(BL)

Temperature range: -45°C ~ +120°C , short-term to 150°C

Protection Degree: IP66, IP68(For use with conduits & RLS seal)

Properties: Self-extinguishing, free of halogen, phosphor and cadmium, with excellent impact strength , fixation and sealing of cables at the same time.

CE  ULtest EN45545



### METRIC THREAD

Fits to Conduit size	Part no.	A Thread	B Clamping range	C	D	E	F	G	Packing (pcs)
13	RL13-M16-AJ-B (4-8)	M16X1.5	4-8	8.3	5.0	46.1	24.0	20.0	50
13	RL13-M16-AJ-B (5-10)	M16X1.5	5-10	8.3	5.0	46.1	24.0	20.0	50
13	RL13-M20-AJ-B (6-12)	M20X1.5	6-12	9.8	6.0	48.3	30.0	20.0	50
16	RL16-M16-AJ-B (4-8)	M16X1.5	4-8	8.3	5.0	46.3	24.0	22.0	50
16	RL16-M16-AJ-B (5-10)	M16X1.5	5-10	8.3	5.0	46.3	24.0	22.0	50
16	RL16-M20-AJ-B (6-12)	M20X1.5	6-12	9.8	6.0	48.3	30.0	23.0	50
21	RL21-M20-AJ-B (6-12)	M20X1.5	6-12	9.8	6.0	47.5	30.0	28.5	50
28	RL28-M25-AJ-B (13-18)	M25X1.5	13-18	11.3	7.0	52.0	35.0	37.0	30
28	RL34-M32-AJ-B (15-22)	M32X1.5	15-22	11.0	7.0	53.3	45.0	43.5	30
42	RL42-M40-AJ-B (22-32)	M40X1.5	22-32	12.5	7.8	70.0	58.0	53.0	20
54	RL54-M50-AJ-B (32-38)	M50X1.5	32-38	15.0	7.8	76.5	61.0	66.0	10

### PG THREAD

Fits to Conduit size	Part no.	A Thread	B Clamping range	C	D	E	F	G	Packing (pcs)
13	RL13-PG7-AJ-B(3-6.5)	PG7	3-6.5	8.5	5.0	46.1	24.0	20.0	50
13	RL13-PG9-AJ-B(4-8)	PG9	4-8	12.8	5.0	46.1	24.0	20.0	50
16	RL16-PG11-AJ-B(5-10)	PG11	5-10	8.2	5.0	46.3	24.0	22.0	50
21	RL21-PG16-AJ-B(10-14)	PG16	10-14	9.8	6.0	47.5	30.0	28.5	50
28	RL28-PG21-AJ-B(13-18)	PG21	13-18	11.0	7.0	52.0	35.0	37.0	30
34	RL34-PG29-AJ-B(18-25)	PG29	18-25	11.0	7.0	53.3	45.0	43.5	20
42	RL42-PG36-AJ-B(18-25)	PG36	18-25	12.5	7.7	67.5	49.0	53.0	20

## AJ metal fitting

Material: Polyamide 66 , Nickel plated brass theead

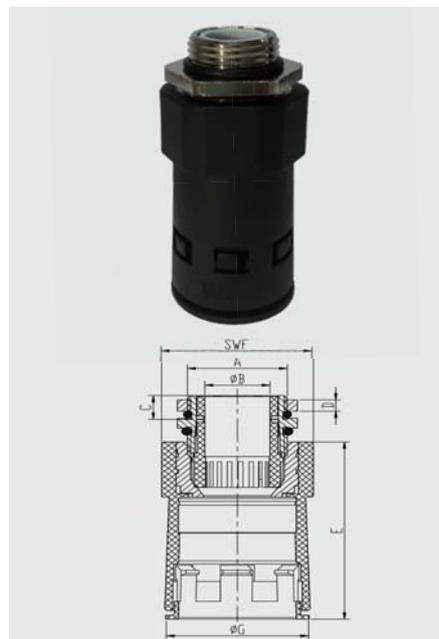
Colour: Black(BL)/Grey(GR)

Temperature range: -45°C ~ +120°C , short-term to 150°C

Protection Degree: IP66, IP68(For use with conduits & RLS seal)

Properties: Excellent impact resistance, high-intensive thread connection, fastening the thread.

CE  ULtest EN45545



### METRIC THREAD

Fits to Conduit size	Part no.	A Thread	B Clamping range	C	D	E	F	G	Packing (pcs)
13	RL13-M16-AJ(4-8)	M16X1.5	4-8	6.0	3.0	45.8	24.0	20.0	50
13	RL13-M16-AJ(5-10)	M16X1.5	5-10	7.0	3.0	45.8	24.0	20.0	50
16	RL16-M16-AJ(4-8)	M16X1.5	6-12	6.0	3.0	46.3	24.0	22.0	50
16	RL16-M16-AJ(5-10)	M16X1.5	4-8	7.0	3.0	46.3	24.0	22.0	50
16	RL16-M20-AJ(6-12)	M20X1.5	5-10	7.5	3.0	48.3	30.0	23.0	50
21	RL21-M20-AJ(6-12)	M20X1.5	6-12	8.0	3.0	47.5	30.0	28.5	50
21	RL21-M20-AJ(8-14)	M20X1.5	8-14	8.0	3.0	47.5	30.0	28.5	50
28	RL28-M25-AJ(10-16)	M25X1.5	10-16	7.0	3.5	52.0	35.0	37.0	50
28	RL28-M25-AJ(13-18)	M25X1.5	13-18	8.0	3.5	52.0	35.0	37.0	50
34	RL34-M32-AJ(15-22)	M32X1.5	15-22	8.5	4.0	53.3	45.5	43.0	50
34	RL34-M32-AJ(18-25)	M32X1.5	18-25	7.5	4.5	53.3	45.5	43.0	50
42	RL42-M40-AJ(15-22)	M40X1.5	15-22	8.5	4.5	67.5	49.0	53.0	25
42	RL42-M40-AJ(18-25)	M40X1.5	18-25	8.0	4.5	67.5	49.0	53.0	25
42	RL42-M40-AJ(22-32)	M40X1.5	22-32	12.0	4.5	70.0	58.0	53.0	25
54	RL54-M50-AJ(22-32)	M50X1.5	22-32	10.0	5.0	74.5	62.0	66.0	20
54	RL54-M50-AJ(32-38)	M50X1.5	32-38	12.0	5.0	75.7	71.0	66.0	20
54	RL54-M63-AJ(38-44)	M63X1.5	37-44	12.0	5.5	75.7	71.0	66.0	20

### PG THREAD

Fits to Conduit size	Part no.	A Thread	B Clamping range	C	D	E	F	G	Packing (pcs)
13	RL13-PG7-AJ(3-6.5)	PG7	3-6.5	6.0	2.5	45.8	24.0	20.0	50
13	RL13-PG9-AJ(4-8)	PG9	4-8	7.0	2.8	45.8	24.0	20.0	50
16	RL16-PG11-AJ(5-10)	PG11	5-10	7.0	3.0	46.3	24.0	22.0	50
21	RL21-PG16-AJ(10-14)	PG16	10-14	7.5	3.0	47.5	30.0	28.5	50
28	RL28-PG21-AJ(13-18)	PG21	13-18	8.5	3.5	52.0	35.0	37.0	50
34	RL34-PG29-AJ(18-25)	PG29	18-25	9.5	4.5	53.3	45.5	43.0	50
42	RL42-PG36-AJ(15-22)	PG36	15-22	8.5	5.0	67.5	49.0	53.0	25
42	RL42-PG36-AJ(18-25)	PG36	18-25	10.0	5.0	67.5	49.0	53.0	25
42	RL42-PG36-AJ(22-32)	PG36	22-32	12.0	5.0	70.0	58.0	53.0	25
54	RL54-PG48-AJ(32-38)	PG48	32-38	12.0	6.0	75.7	71.0	66.0	20
54	RL54-PG48-AJ(38-44)	PG48	38-44	12.0	6.0	75.7	71.0	66.0	20

## RL/X Straight fitting, swivel, with metal external thread



Material: Polyamide 66, Nickel plated brass thread

Colour: Black(BL) /Grey(GR)

Temperature range: -45°C ~ +120°C , short-term to 150°C

Protection Degree: IP66, IP68(For use with conduits & RLS seal)

Properties: Free of halogen and cadmium, very high impact resistance, high thread and system connection strength, suitable for occasional rotation.

CE  ULtest EN45545



### METRIC THREAD

Fits to Conduit size	Part no.	A Thread	B	C	D	E	F	Packing (pcs)
16	RL16-M16-SA/X	M16X1.5	11.5	58.9	22.0	11.6	24.0	50
16	RL16-M20-SA/X	M20X1.5	14.0	61.4	22.0	11.6	24.0	50
21	RL21-M20-SA/X	M20X1.5	14.0	64.0	28.0	15.0	28.0	50
21	RL21-M25-SA/X	M25X1.5	16.0	67.0	28.0	15.0	30.0	50
28	RL28-M25-SA/X	M25X1.5	16.0	67.1	36.4	20.3	36.0	50
28	RL28-M32-SA/X	M32X1.5	16.0	67.1	36.4	20.3	40.0	50
34	RL34-M32-SA/X	M32X1.5	16.0	70.0	43.0	26.5	42.0	30
34	RL34-M40-SA/X	M40X1.5	16.0	70.0	43.0	26.5	50.0	30
42	RL42-M40-SA/X	M40X1.5	16.0	75.8	52.5	31.3	50.0	30
42	RL42-M50-SA/X	M50X1.5	16.0	75.8	52.5	31.3	60.0	30
54	RL54-M50-SA/X	M50X1.5	16.0	81.2	66.0	40.5	60.0	10
54	RL54-M63-SA/X	M63X1.5	16.0	81.2	66.0	40.5	70.0	10

# 23/24

## RL/X Straight fitting, swivel, with metal internal thread



Material: Polyamide 66, anodized aluminium thread

Colour: Black(BL) /Grey(GR)

Temperature range: -45°C ~ +120°C , short-term to 150°C

Protection Degree: IP66, IP68(For use with conduits & RLS seal)

Properties: Free of halogen and cadmium, very high impact resistance, high thread and system connection strength, suitable for occasional rotation.



CE ULtest EN45545

### UNEF THREAD

Fits to Conduit size	Part no.	A Thread	B	C	D	E	F	Packing (pcs)
16	RL16-U063-SFA/X	5/8"-24UNEF	9.0	56.0	22.0	11.6	23.0	50
16	RL16-U075-SFA/X	3/4"-20UNEF	9.5	56.5	22.0	11.6	23.0	50
21	RL21-U075-SFA/X	3/4"-20UNEF	9.5	60.0	28.0	15.0	28.0	50
21	RL21-U081-SFA/X	13/16"-20UNEF	9.5	60.0	28.0	15.0	28.0	50
28	RL28-U094-SFA/X	15/16"-20UNEF	9.5	60.1	36.5	20.3	35.0	50
28	RL28-U100-SFA/X	1"-20UNEF	9.5	60.1	36.5	20.3	35.0	50
34	RL34-U113-SFA/X	1 1/8"-18UNEF	9.5	63.6	43.0	26.5	40.0	30
34	RL34-U119-SFA/X	1 3/16"-18UNEF	9.5	63.6	43.0	26.5	40.0	30
34	RL34-U125-SFA/X	1 1/4"-18UNEF	9.5	63.6	43.0	26.5	40.0	30
34	RL34-U131-SFA/X	1 5/16"-18UNEF	9.5	63.6	43.0	26.5	40.0	30
34	RL34-U138-SFA/X	1 3/8"-18UNEF	9.0	63.1	43.0	26.5	40.0	30
42	RL42-U144-SFA/X	1 7/16"-18UNE	9.5	69.3	52.5	31.3	48.0	30
42	RL42-U175-SFA/X	1 3/4"-18UNEF	11.5	71.3	52.5	31.3	48.0	30
54	RL54-U200-SFA/X	2"-18UNEF	12.0	77.2	66.0	40.5	60.0	10

## RL/X 45° Elbow fitting, swivel, with metal external thread



Material: Polyamide 66, Nickel plated brass thread

Colour: Black(BL) /Grey(GR)

Temperature range: -45°C ~ +120°C , short-term to 150°C

Protection Degree: IP66, IP68(For use with conduits & RLS seal)

Properties: Free of halogen and cadmium, very high impact resistance, high thread and system connection strength, suitable for occasional rotation.



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### METRIC THREAD

Fits to Conduit size	Part no.	A Thread	B	C	D	E	F	G	Packing (pcs)
13	RL13-M16-S45/X	M16X1.5	11.5	48.5	19.5	11.5	22.0	43.5	50
13	RL13-M20-S45/X	M20X1.5	14.0	48.5	19.5	11.5	24.0	44.5	50
16	RL16-M16-S45/X	M16X1.5	11.5	52.0	22.0	11.6	24.0	45.7	50
16	RL16-M20-S45/X	M20X1.5	14.0	52.0	22.0	11.6	24.0	45.7	50
21	RL21-M20-S45/X	M20X1.5	13.0	57.4	28.0	15.0	28.0	52.0	50
21	RL21-M25-S45/X	M25X1.5	16.0	57.4	28.0	15.0	30.0	52.5	50
28	RL28-M25-S45/X	M25X1.5	16.0	66.0	36.5	20.3	36.0	62.3	50
28	RL28-M32-S45/X	M32X1.5	16.0	66.1	36.5	20.3	40.0	64.3	50
34	RL34-M32-S45/X	M32X1.5	16.0	71.0	43.0	26.5	42.0	68.0	20
34	RL34-M40-S45/X	M40X1.5	16.0	71.0	43.0	26.5	50.0	72.0	20
42	RL42-M40-S45/X	M40X1.5	16.0	85.8	53.0	31.3	50.0	85.5	20
42	RL42-M50-S45/X	M50X1.5	16.0	85.8	53.0	31.3	60.0	90.0	20
54	RL54-M54-S45/X	M54X1.5	16.0	100.5	66.0	40.5	60.0	100.5	10
54	RL54-M63-S45/X	M63X1.5	16.0	100.5	66.0	40.5	70.0	105.0	10

### PG THREAD

Fits to Conduit size	Part no.	A Thread	B	C	D	E	F	G	Packing (pcs)
13	RL13-PG9-S45/X	PG9	12.0	48.5	19.5	11.5	22.0	43.5	50
16	RL16-PG11-S45/X	PG11	12.0	52.0	22.0	11.6	24.0	45.7	50
21	RL21-PG13-S45/X	PG13	13.0	57.4	28.0	15.0	28.0	52.0	50
21	RL21-PG16-S45/X	PG16	13.0	57.4	28.0	15.0	28.0	52.0	50
28	RL28-PG21-S45/X	PG21	14.0	66.1	36.5	20.3	36.0	62.3	50
34	RL34-PG29-S45/X	PG29	14.0	71.0	43.0	26.5	42.0	68.0	20
42	RL42-PG36-S45/X	PG36	17.0	85.8	53.0	31.3	55.0	87.5	20
54	RL54-PG48-S45/X	PG48	17.0	100.5	66.0	40.5	70.0	105.0	10

# 25/26

## RL/X 45° Elbow fitting, swivel, with metal internal thread



Material: Polyamide 66, Nickel plated brass thread

Colour: Black(BL) /Grey(GR)

Temperature range: -45°C ~ +120°C , short-term to 150°C

Protection Degree: IP66, IP68(For use with conduits & RLS seal)

Properties: Free of halogen and cadmium, very high impact resistance, high thread and system connection strength, suitable for occasional rotation.



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### METRIC THREAD

Fits to Conduit size	Part no.	A Thread	B	C	D	E	F	G	Packing (pcs)
13	RL13-M16-SF45/X	M16X1.5	9.0	57.0	19.5	10.6	22.0	43.5	50
13	RL13-M20-SF45/X	M20X1.5	10.0	58.0	19.5	11.5	24.0	44.5	50
16	RL16-M16-SF45/X	M16X1.5	9.0	60.6	22.0	11.6	23.0	45.2	50
16	RL16- M20-SF45/X	M20X1.5	10.0	61.6	22.0	11.6	24.0	45.7	50
21	RL21- M20-SF45/X	M20X1.5	9.5	66.4	28.0	15.0	28.0	51.5	50
21	RL21- M25-SF45/X	M25X1.5	10.0	66.9	28.0	15.0	29.0	52.0	50
28	RL28- M25-SF45/X	M25X1.5	9.5	75.1	36.5	20.3	35.0	61.8	50
28	RL28- M32-SF45/X	M32X1.5	11.0	76.6	36.5	20.3	35.0	61.8	50
34	RL34- M32-SF45/X	M32X1.5	9.5	80.5	43.0	26.5	40.0	67.5	20
34	RL34- M40-SF45/X	M40X1.5	13.0	84.0	43.0	26.5	44.0	69.0	20
42	RL42- M40-SF45/X	M40X1.5	9.5	95.3	53.0	31.3	48.0	84.0	20
42	RL42- M50-SF45/X	M50X1.5	15.0	100.8	53.0	31.3	54.0	87.0	20
54	RL54- M50-SF45/X	M50X1.5	12.0	112.4	66.0	40.5	60.0	100.0	10
54	RL54- M63-SF45/X	M63X1.5	17.5	117.9	66.0	40.5	67.0	103.5	10

### PG THREAD

Fits to Conduit size	Part no.	A Thread	B	C	D	E	F	G	Packing (pcs)
13	RL13-PG9-SF45/X	PG9	9.0	57.0	19.5	11.5	22.0	43.5	50
16	RL16-PG11-SF45/X	PG11	9.0	60.6	22.0	11.6	23.0	45.2	50
21	RL21-PG13-SF45/X	PG13	9.0	65.9	28.0	15.0	28.0	51.5	50
21	RL21-PG16-SF45/X	PG16	9.5	66.4	28.0	15.0	28.0	51.5	50
28	RL28-PG21-SF45/X	PG21	10.0	75.6	36.5	20.3	35.0	61.8	50
34	RL34-PG29-SF45/X	PG29	12.5	83.5	43.0	26.5	41.0	67.5	20
42	RL42-PG36-SF45/X	PG36	13.0	98.8	53.0	31.3	51.0	85.5	20
54	RL54-PG48-SF45/X	PG48	14.0	114.4	66.0	40.5	65.0	102.5	10

## RL/X 45° Elbow fitting, swivel, with metal internal thread



Material: Polyamide 66, anodized aluminium thread

Colour: Black(BL) /Grey(GR)

Temperature range: -45°C ~ +120°C , short-term to 150°C

Protection Degree: IP66, IP68(For use with conduits & RLS seal)

Properties: Free of halogen and cadmium, very high impact resistance, high thread and system connection strength, suitable for occasional rotation.



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### UNEF THREAD

Fits to Conduit size	Part no.	A Thread	B	C	D	E	F	G	Packing (pcs)
13	RL13-U063-SF45/X	5/8"-24UNEF	9.0	57.0	19.5	10.6	22.0	43.5	50
16	RL16-U063-SF45/X	5/8"-24UNEF	9.0	60.6	22.0	11.6	23.0	45.2	50
16	RL16-U075-SF45/X	3/4"-20UNEF	9.5	61.1	22.0	11.6	23.0	45.2	50
21	RL21-U075-SF45/X	3/4"-20UNEF	9.5	66.4	28.0	15.0	28.0	51.5	50
21	RL21-U081-SF45/X	13/16"-20UNEF	9.5	66.4	28.0	15.0	28.0	51.5	50
28	RL28-U094-SF45/X	15/16"-20UNEF	9.5	75.1	36.5	20.3	35.0	61.8	50
28	RL28-U100-SF45/X	1"-20UNEF	9.5	75.1	36.5	20.3	35.0	61.8	50
34	RL34-U113-SF45/X	1 1/8"-18UNEF	9.5	80.5	43.0	26.5	40.0	67.5	20
34	RL34-U119-SF45/X	1 3/16"-18UNEF	9.5	80.5	43.0	26.5	40.0	67.5	20
34	RL34-U125-SF45/X	1 1/4"-18UNEF	9.5	80.5	43.0	26.5	40.0	67.5	20
34	RL34-U131-SF45/X	1 5/16"-18UNEF	9.5	80.5	43.0	26.5	40.0	67.5	20
34	RL34-U138-SF45/X	1 3/8"-18UNEF	9.0	80.0	43.0	26.5	40.0	67.5	20
42	RL42-U144-SF45/X	1 7/16"-18UNEF	9.5	95.3	53.0	31.3	48.0	84.0	20
42	RL42-U175-SF45/X	1 3/4"-18UNEF	11.5	97.3	53.0	31.3	48.0	84.0	20
54	RL54-U200-SF45/X	2"-18UNEF	12.0	112.4	66.0	40.5	60.0	100.0	10

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## RL/X 90° Elbow fitting, swivel, with metal external thread



Material: Polyamide 66, Nickel plated brass thread

Colour: Black(BL) /Grey(GR)

Temperature range: -45°C ~ +120°C , short-term to 150°C

Protection Degree: IP66, IP68(For use with conduits & RLS seal)

Properties: Free of halogen and cadmium, very high impact resistance, high thread and system connection strength, suitable for occasional rotation.



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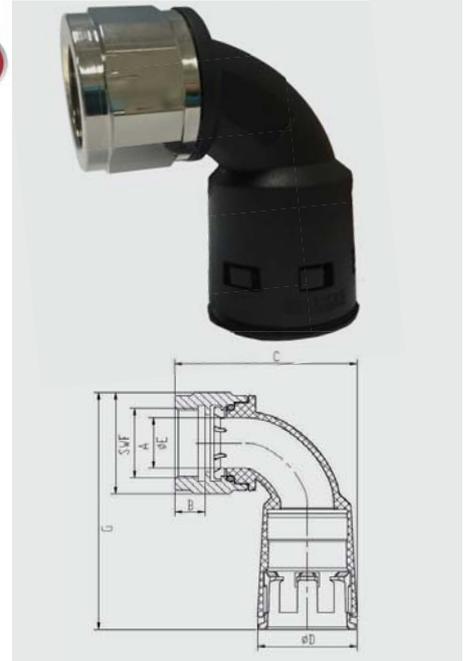
### METRIC THREAD

Fits to Conduit size	Part no.	A Thread	B	C	D	E	F	G	Packing (pcs)
13	RL13-M16-CS90/X	M16X1.5	11.5	47.5	19.5	11.5	22.0	63.0	50
13	RL13-M20-CS90/X	M20X1.5	14.0	50.2	19.5	11.5	24.0	64.0	50
16	RL16-M16-CS90/X	M16X1.5	11.5	49.5	22.0	11.6	24.0	66.0	50
16	RL16-M20-CS90/X	M20X1.5	14.0	52.2	22.0	11.6	24.0	66.0	50
21	RL21-M20-CS90/X	M20X1.5	14.0	56.5	28.0	15.0	28.0	70.5	50
21	RL21-M25-CS90/X	M25X1.5	16.0	59.3	28.0	15.0	30.0	71.0	50
28	RL28-M25-CS90/X	M25X1.5	16.0	67.5	36.5	20.3	36.0	80.5	20
28	RL28-M32-CS90/X	M32X1.5	16.0	67.5	36.5	20.3	40.0	82.5	20
34	RL34-M32-CS90/X	M32X1.5	16.0	84.0	43.0	26.5	42.0	100.5	20
34	RL34-M40-CS90/X	M40X1.5	16.0	84.0	43.0	26.5	50.0	104.5	20
42	RL42-M40-CS90/X	M40X1.5	16.0	95.5	53.0	31.3	50.0	119.5	10
42	RL42-M50-CS90/X	M50X1.5	16.0	95.3	53.0	31.3	60.0	124.0	10
54	RL54-M50-CS90/X	M50X1.5	16.0	108.5	66.0	40.5	60.0	133.5	5
54	RL54-M63-CS90/X	M63X1.5	16.0	108.5	66.0	40.5	70.0	138.0	5

### PG THREAD

Fits to Conduit size	Part no.	A Thread	B	C	D	E	F	G	Packing (pcs)
13	RL13-PG9-CS90/X	PG9	11.0	47.2	19.5	11.5	22.0	63.0	50
16	RL16-PG11-CS90/X	PG11	11.0	49.2	22.0	11.6	24.0	66.0	50
21	RL21-PG13-CS90/X	PG13	11.5	54.3	28.0	15.0	28.0	70.5	50
21	RL21-PG16-CS90/X	PG16	11.5	54.3	28.0	15.0	28.0	70.5	50
28	RL28-PG21-CS90/X	PG21	12.0	63.5	36.5	20.3	36.0	80.5	20
34	RL34-PG29-CS90/X	PG29	12.0	80.0	43.0	26.5	42.0	100.5	20
42	RL42-PG36-CS90/X	PG36	12.0	91.3	53.0	31.3	55.0	121.5	10
54	RL54-PG48-CS90/X	PG48	15.0	107.5	66.0	40.5	70.0	138.0	5

## RL/X 90° Elbow fitting, swivel, with metal internal thread



Material: Polyamide 66, Nickel plated brass thread

Colour: Black(BL) /Grey(GR)

Temperature range: -45°C ~ +120°C , short-term to 150°C

Protection Degree: IP66, IP68(For use with conduits & RLS seal)

Properties: Free of halogen and cadmium, very high impact resistance, high thread and system connection strength, suitable for occasional rotation.

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### METRIC THREAD

Fits to Conduit size	Part no.	A Thread	B	C	D	E	F	G	Packing (pcs)
13	RL13-M16-CSF90/X	M16X1.5	9.0	44.7	19.5	11.5	22.0	63.0	50
13	RL13-M20-CSF90/X	M20X1.5	10.0	45.7	19.5	11.6	24.0	64.0	50
16	RL16-M16-CSF90/X	M16X1.5	9.0	46.8	22.0	11.6	23.0	65.3	50
16	RL16-M20-CSF90/X	M20X1.5	10.0	47.8	22.0	11.6	24.0	65.8	50
21	RL21-M20-CSF90/X	M20X1.5	10.0	52.8	28.0	15.0	28.0	70.0	50
21	RL21-M25-CSF90/X	M25X1.5	10.0	52.8	28.0	15.0	29.0	70.5	50
28	RL28-M25-CSF90/X	M25X1.5	10.0	61.0	36.5	20.3	35.0	80.1	20
28	RL28-M32-CSF90/X	M32X1.5	11.0	62.0	36.5	20.3	35.0	80.1	20
34	RL34-M32-CSF90/X	M32X1.5	11.0	79.0	43.0	26.5	41.0	99.9	20
34	RL34-M40-CSF90/X	M40X1.5	13.0	81.0	43.0	26.5	44.0	101.4	20
42	RL42-M40-CSF90/X	M40X1.5	13.0	92.3	53.0	31.3	48.0	117.9	10
42	RL42-M50-CSF90/X	M50X1.5	15.0	94.3	53.0	31.3	54.0	120.9	10
54	RL54-M50-CSF90/X	M50X1.5	15.0	107.3	66.0	40.5	60.0	132.9	5
54	RL54-M63-CSF90/X	M63X1.5	17.5	110.0	66.0	40.5	67.0	136.4	5

### PG THREAD

Fits to Conduit size	Part no.	A Thread	B	C	D	E	F	G	Packing (pcs)
13	RL13-PG9-CS90/X	PG9	9.0	44.7	19.5	11.5	22.0	63.0	50
16	RL16-PG11-CS90/X	PG11	9.0	46.8	22.0	11.6	23.0	65.3	50
21	RL21-PG13-CS90/X	PG13	9.0	51.8	28.0	15.0	28.0	70.0	50
21	RL21-PG16-CS90/X	PG16	9.5	52.3	28.0	15.0	28.0	70.0	50
28	RL28-PG21-CS90/X	PG21	10.0	61.0	36.5	20.3	35.0	80.1	20
34	RL34-PG29-CS90/X	PG29	10.0	78.0	43.0	26.5	41.0	99.9	20
42	RL42-PG36-CS90/X	PG36	13.0	92.3	53.0	31.3	51.0	119.4	10
54	RL54-PG48-CS90/X	PG48	14.0	106.3	66.0	40.5	65.0	135.4	5

## RL/X 90° Elbow fitting, swivel, with metal internal thread



Material: Polyamide 66, anodized aluminium thread

Colour: Black(BL) /Grey(GR)

Temperature range: -45°C ~ +120°C , short-term to 150°C

Protection Degree: IP66, IP68(For use with conduits & RLS seal)

Properties: Free of halogen and cadmium, very high impact resistance, high thread and system connection strength, suitable for occasional rotation.

CE ULtest EN45545

### UNEF THREAD

Fits to Conduit size	Part no.	A Thread	B	C	D	E	F	G	Packing (pcs)
13	RL13-U063-CSF90/X	5/8"-24UNEF	9.0	44.7	19.5	11.5	22.0	63.0	50
16	RL16-U063-CSF90/X	5/8"-24UNEF	9.0	46.8	22.0	11.6	23.0	65.3	50
16	RL16-U075-CSF90/X	3/4"-20UNEF	9.5	52.3	22.0	11.6	23.0	65.3	50
21	RL21-U075-CSF90/X	3/4"-20UNEF	9.5	52.3	28.0	15.0	28.0	70.0	50
21	RL21-U081-CSF90/X	13/16"-20UNEF	9.5	60.5	28.0	15.0	28.0	70.0	50
28	RL28-U094-CSF90/X	15/16"-20UNEF	9.5	60.5	36.5	20.3	35.0	80.0	20
28	RL28-U100-CSF90/X	1"-20UNEF	9.5	60.5	36.5	20.3	35.0	80.0	20
34	RL34-U113-CSF90/X	1 1/8"-18UNEF	9.5	77.5	43.0	26.5	41.0	100.0	20
34	RL34-U119-CSF90/X	1 3/16"-18UNEF	9.5	77.5	43.0	26.5	41.0	100.0	20
34	RL34-U125-CSF90/X	1 1/4"-18UNEF	9.5	77.5	43.0	26.5	41.0	100.0	20
34	RL34-U131-CSF90/X	1 5/16"-18UNEF	9.5	77.5	43.0	26.5	41.0	100.0	20
34	RL34-U138-CSF90/X	1 3/8"-18UNEF	9.0	77.0	43.0	26.5	41.0	100.0	20
42	RL42-U144-CSF90/X	1 7/16"-18UNEF	9.5	88.8	53.0	31.3	48.0	118.0	10
42	RL42-U175-CSF90/X	3/4"-18UNEF	11.5	90.8	53.0	31.3	48.0	118.0	10
54	RL54-U200-CSF90/X	2"-18UNEF	12.0	104.5	66.0	40.5	60.0	133.0	5

## EMC Straight fitting



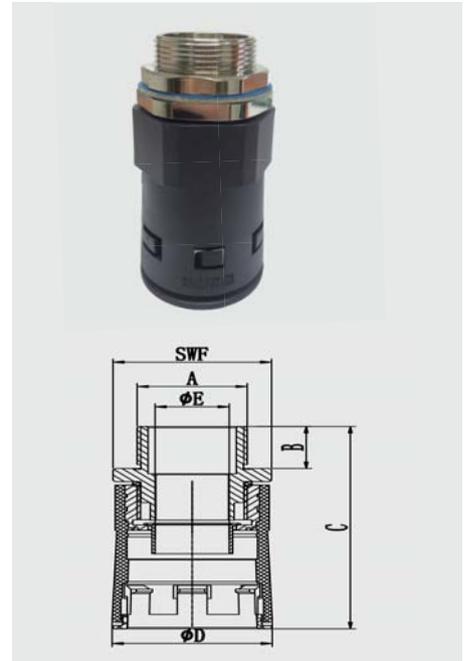
Material: Polyamide 66, Nickel plated brass thread

Colour: Black(BL) /Grey(GR)

Temperature range: -45°C ~ +120°C , short-term to 150°C Protection Degree: IP66, IP68(For use with conduits & RLS seal)

Properties: High shielding alternation and low coupling resistance. Disturbance signals such as electrical signals and magnetic fields will be discharged to the housing/casing. Easy and quick installation.

CE ULtest EN45545



### METRIC THREAD

Fits to Conduit size	Part no.	A Thread	B	C	D	E	F	Packing (pcs)
21	RL21-M20-SA-EMV-AD	M20X1.5	14.0	71.4	28.0	11.8	27.0	50
28	RL28-M25-SA-EMV-AD	M25X1.5	16.0	77.0	36.5	16.8	34.0	50
34	RL34-M32-SA-EMV-AD	M32X1.5	16.0	79.3	43.0	21.8	40.0	20
42	RL42-M40-SA-EMV-AD	M40X1.5	16.0	95.0	53.0	30.8	52.0	20
54	RL54-M50-SA-EMV-AD	M50X1.5	16.0	101.5	66.0	42.8	62.0	10
54	RL54-M63-SA-EMV-AD	M63X1.5	16.0	101.5	66.0	42.8	70.0	10

### PG THREAD

Fits to Conduit size	Part no.	A Thread	B	C	D	E	F	Packing (pcs)
21	RL21-PG13-SA-EMV-AD	PG13	13.0	70.4	28.0	11.8	27.0	50
21	RL21-PG16-SA-EMV-AD	PG16	13.0	70.4	28.0	11.8	27.0	50
28	RL28-PG21-SA-EMV-AD	PG21	14.0	75.0	36.5	16.8	34.0	20
34	RL34-PG29-SA-EMV-AD	PG29	14.0	77.3	43.0	21.8	40.0	20
42	RL42-PG36-SA-EMV-AD	PG36	17.0	96.0	53.0	30.8	52.0	10
54	RL54-PG48-SA-EMV-AD	PG48	17.0	102.5	66.0	42.8	70.0	10

# 31/32

## EMC Straight fitting with strain relief



Material: Polyamide 66, Nickel plated brass thread

Colour: Black(BL) /Grey(GR)

Temperature range: -45°C ~ +120°C , short-term to 150°C

Protection Degree: IP66, IP68(For use with conduits & RLS seal)

Properties: High shielding alternation and low coupling resistance. Disturbance signals such as electrical signals and magnetic fields will be discharged to the housing/casing. Easy and quick installation. Fasten the cable.



CE ULtest EN45545

### METRIC THREAD

Fits to Conduit size	Part no.	A Thread	B	C	D	E	F	Packing (pcs)
28	RL28-M25-AJ(10-16)/EMV-AD-7	M25X1.5	7.0	77.8	36.5	14.8	30.0	50
28	RL28-M25-AJ(10-16)/EMV-AD-12	M25X1.5	12.0	82.8	36.5	14.8	30.0	50
28	RL28-M25-AJ(13-18)/EMV-AD-7	M25X1.5	7.0	78.2	36.5	14.8	35.0	50
28	RL28-M25-AJ(13-18)/EMV-AD-12	M25X1.5	12.0	83.2	36.5	14.8	35.0	50
34	RL34-M32-AJ(15-22)/EMV-AD-8	M32X1.5	8.0	84.1	43.0	21.8	40.0	50
34	RL34-M32-AJ(15-22)/EMV-AD-13	M32X1.5	13.0	89.1	43.0	21.8	40.0	50
34	RL34-M32-AJ(18-25)/EMV-AD-8	M32X1.5	8.0	86.5	43.0	21.8	40.0	50
34	RL34-M32-AJ(18-25)/EMV-AD-13	M32X1.5	13.0	91.5	43.0	21.8	40.0	50
42	RL42-M40-AJ(18-25)/EMV-AD-8	M40X1.5	8.0	100.8	53.0	29.8	45.0	25
42	RL42-M40-AJ(18-25)/EMV-AD-13	M40X1.5	13.0	105.8	53.0	29.8	45.0	25
42	RL42-M40-AJ(22-32)/EMV-AD-8	M40X1.5	8.0	103.0	53.0	29.8	45.0	25
42	RL42-M40-AJ(22-32)/EMV-AD-13	M40X1.5	13.0	108.0	53.0	29.8	45.0	25
54	RL54-M50-AJ(32-38)/EMV-AD-9	M50X1.5	9.0	108.0	66.0	39.8	55.0	20
54	RL54-M50-AJ(32-38)/EMV-AD-14	M50X1.5	14.0	113.0	66.0	39.8	55.0	20

## EMC Straight fitting with swivel



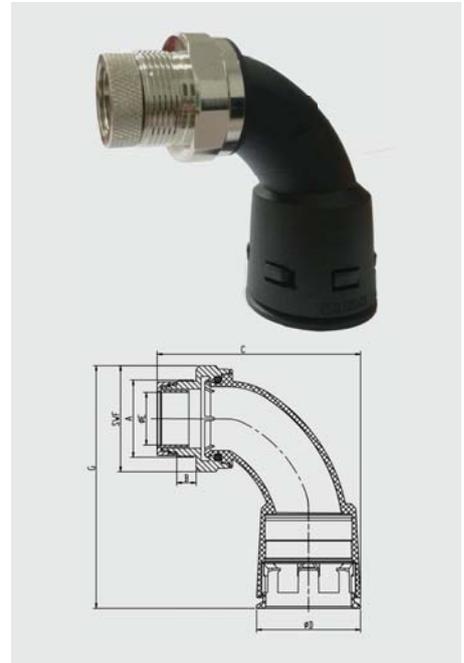
Material: Polyamide 66, Nickel plated brass thread

Colour: Black(BL) /Grey(GR)

Temperature range: -45°C ~ +120°C , short-term to 150°C

Protection Degree: IP66, IP68(For use with conduits & RLS seal)

Properties: High shielding alternation and low coupling resistance. Disturbance signals such as electrical signals and magnetic fields will be discharged to the housing/casing. Easy and quick installation. Fasten the cable. Suitable for occasional rotation.



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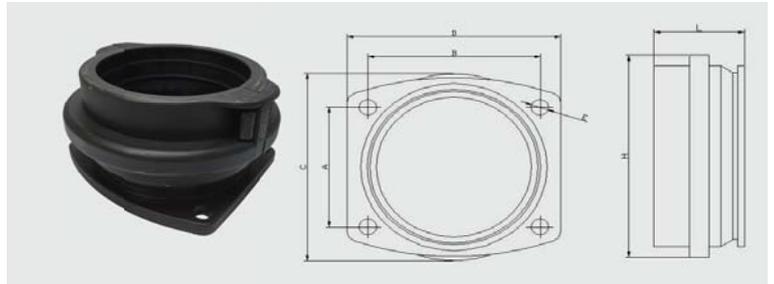
### METRIC THREAD

Fits to Conduit size	Part no.	A Thread	B	C	D	E	F	G	Packing (pcs)
28	RL28-M25-CS90-X/EMV-11	M25X1.5	12.0	71.5	36.5	14.8	36.0	80.5	50
28	RL28-M25-CS90-X/EMV-7	M25X1.5	7.0	66.5	36.5	14.8	36.0	80.5	50
34	RL34-M32-CS90-X/EMV-12	M32X1.5	13.0	89.0	43.0	21.8	42.0	100.5	20
34	RL34-M32-CS90-X/EMV-8	M32X1.5	8.0	84.0	43.0	21.8	42.0	100.5	20
42	RL42-M40-CS90-X/EMV-13	M40X1.5	13.0	100.5	53.0	29.8	50.0	119.5	20
42	RL42-M40-CS90-X/EMV-8	M40X1.5	8.0	95.5	53.0	29.8	50.0	119.5	20
54	RL54-M50-CS90-X/EMV-14	M50X1.5	14.0	114.5	66.0	39.8	60.0	133.5	10
54	RL54-M50-CS90-X/EMV-9	M50X1.5	9.0	109.5	66.0	39.8	60.0	133.5	10

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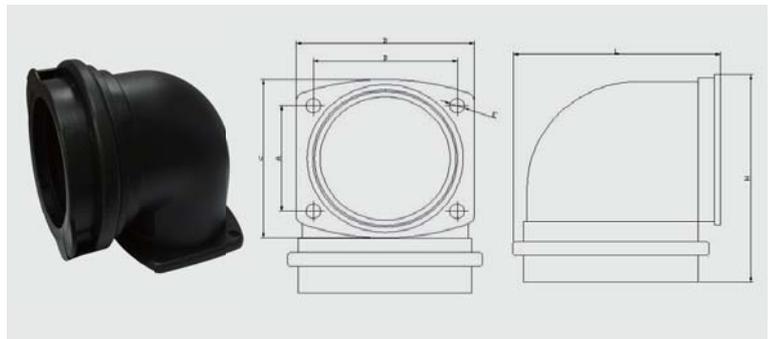
## ADC Straight flange fitting



Material: Polyamide  
 Colour: Black(BL)  
 Temperature range: -45°C~+120°C  
 Protection Degree: IP50  
 Properties: Mounting surface, quick and easy installation

Fits to Conduit size	Part no.	A	B	Dimension C	D	E	Packing (pcs)
67	ADC67-FL-A	59.6	75.0	94.5	79.7	8.0	10
80	ADC80-FL-A	60.0	81.0	94.0	96.0	8.0	10
10	ADC106-FL-A	74.0	117.0	150.0	125.0	8.0	10

## ADC 90° Elbow flange fitting



Material: Polyamide  
 Colour: Black(BL)  
 Temperature range: -45°C~+120°C  
 Protection Degree: IP50  
 Properties: Mounting surface, quick and easy installation

Fits to Conduit size	Part no.	A	B	Dimension C	D	E	Packing (pcs)
67	ADC67-FL-C90	59.6	75.0	94.5	79.7	8.0	10
80	ADC80-FL-C90	60.0	81.0	94.0	96.0	8.0	10
10	ADC106-FL-C90	74.0	117.0	150.0	125.0	8.0	10

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## RSF Straight fitting-fixed external thread

Material; Polyamide 66

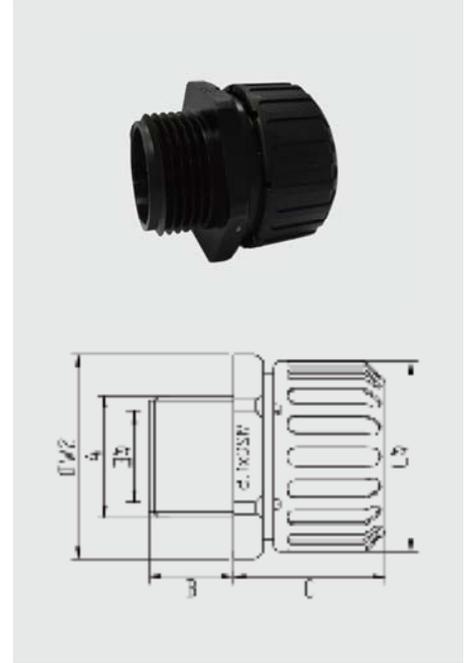
Colour: Black(BL)

Temperature range: -45°C ~ +120°C , short-term to 150°C

Protection Degree: IP67

Properties: Save installation space

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China Railway NO.67 test



### METRIC THREAD

Fits to Conduit size	Part no.	Special no.	A Thread	B	C	D	E	F	Packing (pcs)
10	RSF10-M16-A	-	M16X1.5	11.5	22.5	22.8	10.7	21.7	50
13	RSF13-M16-A	DLPA66-10-M18x1.5-31	M16X1.5	11.5	22.5	22.8	10.7	21.7	50
16	RSF16-M16-A	DLPA66-12-M20x1.5-36	M16X1.5	11.5	22.5	26.0	10.7	26.7	50
21	RSF21-M20-A	DLPA66-17-M22x1.5-40	M20X1.5	14.0	25.2	31.0	15.0	29.7	50
28	RSF28-M25-A	DLPA66-23-M28x1.5-38	M25X1.5	15.2	27.8	39.0	19.0	37.7	50
28	RSC28-M25-A	-	M25X1.5	15.2	27.8	39.0	19.0	37.7	50
34	RSF34-M32-A	DLPA66-29-M36x1.5-41	M32X1.5	16.0	32.8	46.1	25.7	45.7	30
34	RSC34-M32-A	-	M32X1.5	16.0	32.8	46.1	25.7	45.7	30
42	RSC42-M40-A	DLPA66-36-M45x1.5-42	M40X1.5	16.0	42.5	58.0	31.0	58.5	30
54	RSC54-M50-A	DLPA66-48-M58x1.5-42	M50X1.5	16.0	42.5	71.7	41.0	72.5	20

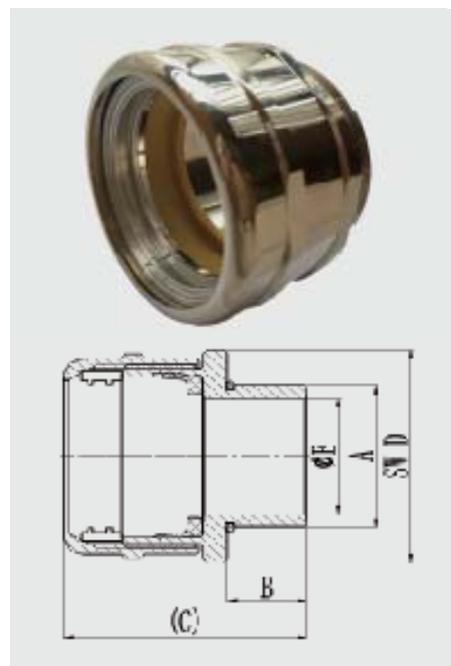
### PG THREAD

Fits to Conduit size	Part no.	Special no.	A Thread	B	C	D	E	F	Packing (pcs)
10	RSF10-PG9-A	-	PG9	10.0	20.0	22.8	10.7	21.7	50
13	RSF13-PG9-A	DLPA66-10-PG9	PG9	10.0	20.0	26.0	10.7	21.7	50
16	RSF16-PG11-A	DLPA66-12-PG11	PG11	10.0	22.5	26.0	13.8	26.7	50
21	RSF21-PG16-A	DLPA66-17-PG16	PG16	11.2	25.2	31.0	17.9	29.7	50
28	RSF28-PG21-A	DLPA66-23-PG21	PG21	12.2	27.8	39.0	22.6	37.7	50
28	RSC28-PG21-A	-	PG21	12.2	27.8	39.0	22.6	37.7	50
34	RSF34-PG29-A	DLPA66-29-PG29	PG29	12.2	32.8	46.1	31.0	45.7	30
34	RSC34-PG29-A	-	PG29	12.2	32.8	46.1	31.0	45.7	30
42	RSC42-PG36-A	DLPA66-36-PG36	PG36	12.0	36.0	59.0	37.9	58.5	30
54	RSC54-PG48-A	DLPA66-48-PG48	PG48	12.0	42.5	71.7	49.5	72.5	20

Note: Special no. is for China railway passenger cars, other passenger vehicles, motor trains unit and special vehicle exclusive models

## All-metal brass Fitting

Material: Nickel-plated brass, stainless steel  
 Protection Degree: IP68(For use with conduits)  
 Application: Rail transit



### METRIC THREAD

Fits to Conduit size	Nickel-plated brass Part no.	Stainless steel Part no.	A Thread	B	C	D	E	Packing (pcs)
13	RSC13-M16-M	RSC13-M16-M/B	M16X1.5	11.5	35.5	22.0	10.5	50
16	RSC16-M16-M	RSC16-M16-M/B	M16X1.5	11.5	32.5	25.0	11.0	50
21	RSC21-M20-M	RSC21-M20-M/B	M20X1.5	14.0	42.5	30.0	15.0	50
28	RSC28-M25-M	RSC28-M25-M/B	M25X1.5	15.0	46.2	34.0	20.0	50
34	RSC34-M32-M	RSC34-M32-M/B	M32X1.5	16.0	49.0	46.0	26.0	50
42	RSC42-M40-M	RSC42-M40-M/B	M40X1.5	16.0	51.6	55.0	34.0	25
54	RSC54-M50-M	RSC54-M50-M/B	M50X1.5	16.0	50.5	66.0	45.0	20
54	RSC54-M63-M	RSC54-M63-M/B	M63X1.5	16.0	50.5	70.0	47.0	20

### PG THREAD

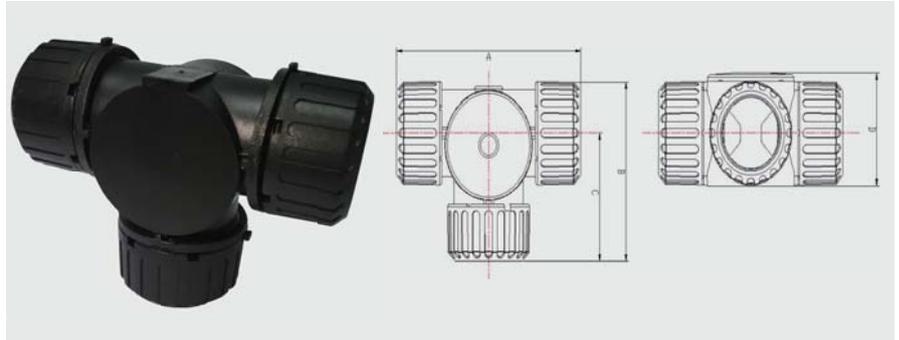
Fits to Conduit size	Nickel-plated brass Part no.	Stainless steel Part no.	A Thread	B	C	D	E	Packing (pcs)
13	RSC13-PG9-M	RSC13-PG9-M/B	PG9	10.0	33.5	22.0	10.5	50
16	RSC16-PG11-M	RSC16-PG11-M/B	PG11	10.0	31.2	25.0	11.5	50
21	RSC21-PG16-M	RSC21-PG16-M/B	PG16	11.0	39.5	30.0	15.0	50
28	RSC28-PG21-M	RSC28-PG21-M/B	PG21	12.0	43.0	34.0	21.3	50
34	RSC34-PG29-M	RSC34-PG29-M/B	PG29	12.0	45.7	46.0	28.0	50
42	RSC42-PG36-M	RSC42-PG36-M/B	PG36	12.0	47.5	55.0	36.0	25
54	RSC54-PG48-M	RSC54-PG48-M/B	PG48	12.0	47.0	66.0	47.0	20

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## T Fitting

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Material: Polyamide 6

Colour: Black(BL)

Temperature range: -45°C~+120°C , short-term to 150°C

Protection Degree: IP67(For use with conduits)

Properties: Free of halogen and cadmium, very high impact resistance, high conduit pull out strength

Fits to Conduit size	Part no.	Special no.	A Thread	B	C	D	Packing (pcs)
13	ASF 13X3/T	TPA66-10-2X10	68.5	50.0	38.7	26.8	10
16	ASF 16X3/T	TPA66-12-2X12	69.5	50.5	37.6	30.7	10
21	ASF 21X3/T	TPA66-17-2X17	80.0	58.0	42.7	35.0	10
28	ASF 28X3/T	TPA66-23-2X23	95.0	71.0	51.5	43.0	10
34	ASF 34X3/T	TPA66-29-2X29	109.0	84.0	61.0	51.0	10

## T fitting conversion adapter



Material: Rubber

Colour: Black(BL)

Temperature range: -40°C~+120°C

Reduce to conduit size 10	Reduce to conduit size 13	Reduce to conduit size 16	Reduce to conduit size 21	Reduce to conduit size 28	Packing (pcs)
RKC13-10	-	-	-	-	10
RKC16-10	RKC16-13	-	-	-	10
RKC21-10	RKC21-13	RKC21-16	-	-	10
-	RKC28-13	RKC28-16	RKC28-21	RKC34-28	10
-	-	-	RKC34-21	-	10

Note: Special no. is for China railway passenger cars, other passenger vehicles, motor trains unit and special vehicle exclusive models

## Y Fitting

Material: Polyamide 66

Colour: Black(BL)

Temperature range: -45°C ~ +120°C , short-term to 150°C

Protection Degree: IP66, IP68(For use with conduits & RLS seal)

Properties: Free of halogen and cadmium, very high impact resistance, high conduit pull out strength.

**CE**  **ULtest EN45545**

China Railway No.67 test



Fits to Conduit size	Part no.	Special no.	A	B	C	D	E	F	G	Packing (pcs)
13X10X10	RL131010/Y	YPA66-10-2x7	21.0	69.3	28.2	5.0	32.7	21.2	14.6	10
16X13X13	RL161313/Y	YPA66-12-2x10	25.0	74.0	42.0	5.5	31.0	22.3	19.1	10
21X16X16	RL211616/Y	YPA66-17-2x12	32.0	85.0	51.0	6.5	32.0	28.0	28.7	10
28X21X21	RL282121/Y	YPA66-23-2x17	38.0	90.5	63.8	6.5	38.0	36.4	35.8	10
34X28X28	RL342828/Y	YPA66-29-2x23	45.0	106.0	76.8	6.5	37.0	43.0	40.4	10
42X34X34	RL423434/Y	YPA66-36-2x29	53.5	125.7	95.9	6.5	48.3	52.5	53.0	10
54X42X42	RL544242/Y	-	64.0	129.0	109.4	6.5	53.0	66.5	57.0	10

Note: Special no. is for China railway passenger cars, other passenger vehicles, motor trains unit and special vehicle exclusive models

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## Hinged "Y" piece

Material: Polyamide 66

Colour: Black(BL)

Temperature range: -45°C ~ +120°C , short-term to 150°C

Protection Degree: IP40

Properties : Free of halogen and cadmium, very high impact resistance, high conduit pull out strength.



Part no.	A Thread	B	C	D	E	Packing (pcs)
Y101010/BL	54.6	37.1	10	10	10	10
Y101013/BL	54.6	37.1	10	10	10	10
Y101210/BL	54.6	37.1	10	10	10	10
Y131010/BL	54.6	37.1	10	10	10	10
Y131310/BL	54.6	37.1	10	10	10	10
Y131313/BL	54.6	37.1	10	10	10	10
Y161013/BL	54.9	39.8	10	10	10	10
Y161310/BL	54.9	39.8	10	10	10	10
Y161313/BL	54.9	39.8	10	10	10	10
Y161610/BL	54.9	39.8	10	10	10	10
Y161613/BL	54.9	39.8	10	10	10	10
Y211010/BL	42.8	41.0	12	10	10	10
Y211310/BL	42.8	41.0	12	10	10	10
Y211313/BL	42.8	41.0	12	10	10	10
Y211610/BL	48.2	39.8	12	10	10	10
Y211613/BL	48.2	39.6	12	10	10	10
Y211616/BL	63.6	47.5	12	10	10	10
Y212110/BL	57.9	44.9	12	12	10	10
Y212113/BL	57.9	44.9	12	12	10	10
Y212116/BL	63.6	47.5	12	12	10	10
Y282113/BL	54.0	48.8	13	12	10	10
Y282116/BL	54.0	48.8	13	12	10	10
Y282121/BL	76.5	60.0	13	11	11	10
Y282810/BL	67.3	55.9	13	13	10	10
Y282813/BL	67.3	55.9	13	13	10	10
Y282816/BL	67.3	55.9	13	13	10	10
Y282821/BL	76.5	60.0	13	13	12	10
Y282828/BL	90.7	67.0	13	13	13	10
Y343416/BL	100.6	75.0	13	13	13	10
Y343421/BL	100.6	76.0	13	13	13	10
Y343434/BL	100.6	82.1	13	13	13	10

## SK Sealing



Material: Rubber  
Colour: Black(BL)

Fits to Conduit size	Part no.	Packing (pcs)
67	SK67	10
80	SK80	10
106	SK106	10

## Insert Seal



Material: Thermoplastic Elastomer  
Colour: Yellow(Y)  
Temperature range: -45°C~+120°C  
Protection Degree: IP68

Fits to Conduit size	Part no. (F=Fine) (C=Coarse)	Packing (pcs)
13	RLS13-F	50
16	RLS16-F	50
21	RLS21-F	50
28	RLS28-C	50
34	RLS34-C	50
42	RLS42-C	50
54	RLS54-C	50

## Anti-Vibration Washer



Material: POM  
Colour: Black(BL)

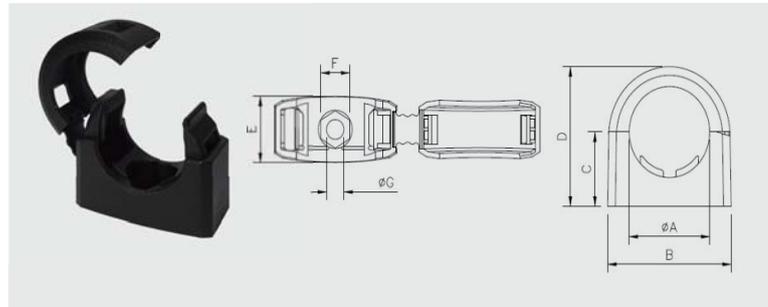
Fits to Conduit size	Part no.	Packing (pcs)
13	RWB13	50
16	RWB16	50
21	RWB21	50
28	RWB28	50
34	RWB34	50

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## Conduit Clips



Material: Polyamide 66  
 Colour: Black(BL)  
 Temperature range: -45°C~+120°C



Fits to Conduit size	Part no.	B	C	D	E	F	G	Packing (pcs)
10	RCB10	22.6	12.9	23.3	11.6	7.5	4.2	50
13	RCB13	22.6	12.9	23.3	11.6	7.5	4.2	50
16	RCB16	26.7	15.1	26.9	13.7	8.8	5.1	50
21	RCB21	33.8	19.5	34.9	17.5	10.4	6.1	50
28	RCB28	43.8	23.4	43.7	20.7	10.3	6.1	25
34	RCB34	52.8	26.9	51.6	23.2	10.2	6.2	25
42	RCB42	64.5	32.4	62.5	27.0	10.2	6.2	10
54	RCB54	81.0	38.5	77.0	32.1	10.2	6.2	10

## Nylon Locknuts



Material: Polyamide 6  
 Colour: Black(BL)  
 Temperature range: -45°C~+120°C



thread	Part no.	Packing (pcs)
M12	LNPB-M12	50
M16	LNPB-M16	50
M20	LNPB-M20	50
M25	LNPB-M25	25
M32	LNPB-M32	25
M40	LNPB-M40	20
M50	LNPB-M50	20
M63	LNPB-M63	20

thread	Part no.	Packing (pcs)
PG7	LNPB-PG7	50
PG9	LNPB-PG9	50
PG11	LNPB-PG11	50
PG13.5	LNPB-PG13	50
PG16	LNPB-PG16	50
PG21	LNPB-PG21	20
PG29	LNPB-PG29	20
PG36	LNPB-PG36	20
PG42	LNPB-PG42	20
PG48	LNPB-PG48	20

## Thread sealing washer



Material: NBR

Colour: Black(BL)

Temperature range: -45°C~+120°C

### METRIC THREAD

For thread	Part no.	A	B	C	Packing (pcs)
M16	SWCM16	21.7	16.0	1.7	50
M20	SWCM20	25.0	19.5	1.5	50
M25	SWCM25	34.0	24.5	1.7	50
M32	SWCM32	42.0	32.0	1.8	25
M40	SWCM40	53.0	40.0	1.6	25
M50	SWCM50	60.0	50.0	2.4	25
M63	SWCM63	71.0	63.0	1.6	10

### PG THREAD

For thread	Part no.	A	B	C	Packing (pcs)
PG9	SWCPG9	19.0	14.0	2.0	50
PG11	SWCPG11	22.0	17.5	2.0	50
PG13	SWCPG13	24.0	19.0	2.0	50
PG16	SWCPG16	26.5	21.5	1.7	50
PG21	SWCPG21	35.5	27.5	1.6	25
PG29	SWCPG29	41.5	36.0	1.7	25
PG36	SWCPG36	53.0	46.0	1.7	25
PG48	SWCPG48	67.0	58.0	2.4	10

## Conduit protection cap



Material: Polyamide 6

Colour: Black(BL)

Temperature range: -40°C~+120°C, short-term to 150°C

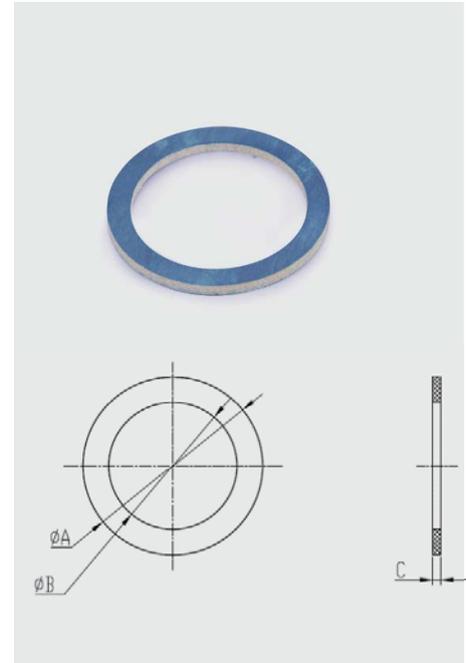
Fits to Conduit size	Part no.	Packing (pcs)
13	ECBC13	50
16	ECBC16	50
21	ECBC21	50
28	ECBC28	50
34	ECBC34	25
42	ECBC42	25
54	ECBC54	10

## Flat-sealing

Material: Tesnit (asbestos-free)

Temperature range: -40°C ~ +120°C

Properties: Flat-sealing is applied to all kinds of fittings for seismic resistance , protection degree can achieve IP68



### METRIC THREAD

For Thread	Part no.	A	B	C	Packing (pcs)
M12	SWCHM12	17.0	12.0	1.5	50
M16	SWCHM16	21.0	16.0	1.5	50
M20	SWCHM20	25.0	20.0	1.5	50
M25	SWCHM25	35.0	25.0	1.5	50
M32	SWCHM32	42.0	32.0	1.5	50
M40	SWCHM40	52.0	40.0	1.5	50
M50	SWCHM50	62.0	50.0	1.5	50
M63	SWCHM63	70.0	63.0	1.5	50

### PG THREAD

For Thread	Part no.	A	B	C	Packing (pcs)
PG7	SWCHPG7	16.0	12.5	1.5	50
PG9	SWCHPG9	20.0	15.2	1.5	50
PG11	SWCHPG11	24.0	18.6	1.5	50
PG13	SWCHPG13	27.5	20.4	1.5	50
PG16	SWCHPG16	29.5	22.5	1.5	50
PG21	SWCHPG21	34.0	28.3	1.5	25
PG29	SWCHPG29	44.0	37.0	1.5	25
PG36	SWCHPG36	52.0	47.0	1.5	25
PG48	SWCHPG48	72.0	59.5	1.5	10

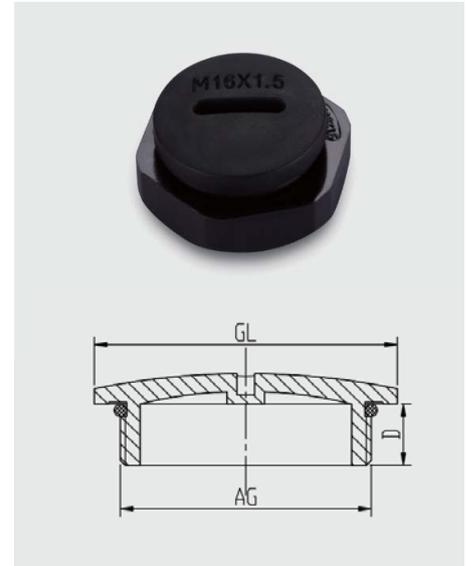
## Nylon Plug

Material: Polyamide 66

Colour: Black(BL) /Grey(GR)

Temperature range: -40°C~+120°C, short-term to 150°C

Protection Degree: IP68(Using O-sealing)



### METRIC THREAD

Thread	Part no.(BL)	Part no.(GR)	AG	GL	D	Packing (pcs)
M12X1.5	NLMG-M12X1.5B	NLMG-M12X1.5G	15.0	16.0	7.0	100
M16X1.5	NLMG-M16X1.5B	NLMG-M16X1.5G	16.0	20.0	7.0	100
M18X1.5	NLMG-M18X1.5B	NLMG-M18X1.5G	18.0	23.0	8.0	100
M20X1.5	NLMG-M20X1.5B	NLMG-M20X1.5G	20.0	25.0	9.0	100
M22X1.5	NLMG-M22X1.5B	NLMG-M22X1.5G	22.0	27.0	10.0	100
M24X1.5	NLMG-M24X1.5B	NLMG-M24X1.5G	24.0	29.0	10.0	50
M25X1.5	NLMG-M25X1.5B	NLMG-M25X1.5G	25.0	30.0	11.0	50
M27X2.0	NLMG-M27X2.0B	NLMG-M27X2.0G	27.0	33.0	11.0	50
M30X2.0	NLMG-M30X2.0B	NLMG-M30X2.0G	30.0	35.0	11.0	50
M32X1.5	NLMG-M32X1.5B	NLMG-M32X1.5G	32.0	39.0	11.0	25
M36X2.0	NLMG-M36X2.0B	NLMG-M36X2.0G	36.0	44.0	11.0	25
M40X1.5	NLMG-M40X1.5B	NLMG-M40X1.5G	40.0	46.0	13.0	10
M48X2.0	NLMG-M48X2.0B	NLMG-M48X2.0G	48.0	55.0	13.0	10
M50X1.5	NLMG-M50X1.5B	NLMG-M50X1.5G	50.0	57.0	15.0	10
M63X1.5	NLMG-M63X1.5B	NLMG-M63X1.5G	63.0	70.0	15.0	10

### PG THREAD

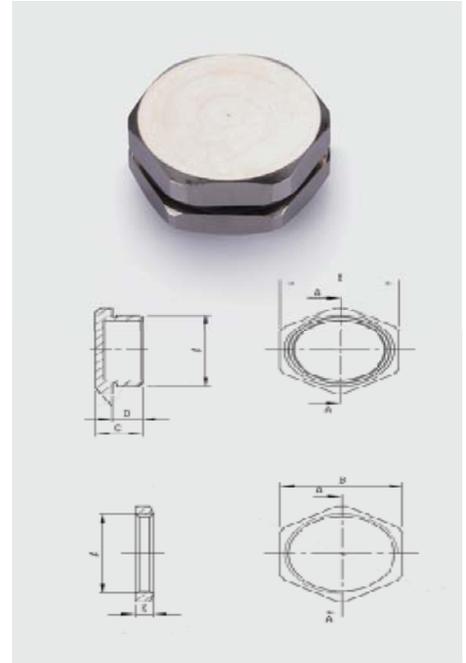
Thread	Part no.(BL)	Part no.(GR)	AG	GL	D	Packing (pcs)
PG7	NLMG-PG7B	NLMG-PG7G	12.5	16.0	8.0	100
PG9	NLMG-PG9B	NLMG-PG9G	15.2	19.0	8.0	100
PG11	NLMG-PG11B	NLMG-PG11G	18.6	23.0	8.0	100
PG13.5	NLMG-PG13.5B	NLMG-PG13.5G	20.4	25.0	9.0	100
PG16	NLMG-PG16B	NLMG-PG16G	22.5	27.0	10.0	50
PG21	NLMG-PG21B	NLMG-PG21G	28.3	33.0	11.0	50
PG29	NLMG-PG29B	NLMG-PG29G	37.0	44.0	11.0	25
PG36	NLMG-PG36B	NLMG-PG36G	47.0	55.0	13.0	10
PG42	NLMG-PG42B	NLMG-PG42G	54.0	62.0	15.0	10
PG48	NLMG-PG48B	NLMG-PG48G	59.3	69.0	15.0	5

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## Metal Plug

Material: Nickel plated brass

Protection Degree: IP68(Using O-sealing)



### METRIC THREAD

Thread	Part no.	A Thread	B	C	D	K	Packing (pcs)
M12	JSMG-M12X1.5	M12X1.5	S14	8.0	5.0	2.7	10
M16	JSMG-M16X1.5	M16X1.5	S18	8.8	6.0	3.0	10
M18	JSMG-M18X1.5	M18X1.5	S20	10.0	7.0	3.0	10
M20	JSMG-M20X1.5	M20X1.5	S22	9.5	6.0	3.0	10
M22	JSMG-M22X1.5	M22X1.5	S24	9.7	7.0	3.0	10
M25	JSMG-M25X1.5	M25X1.5	S27	11.0	7.0	3.0	10
M27	JSMG-M27X2.0	M27X2.0	S30	11.0	7.0	3.5	10
M30	JSMG-M30X2.0	M30X2.0	S32	11.0	7.0	3.5	10
M32	JSMG-M32X1.5	M32X1.5	S34	11.0	7.0	3.0	10
M40	JSMG-M40X1.5	M40X1.5	S42	12.7	8.0	3.5	10
M50	JSMG-M50X1.5	M50X1.5	S57	15.0	10.0	5.0	10

### PG THREAD

Thread	Part no.	A Thread	B	C	D	K	Packing (pcs)
PG7	JSMG-PG7	PG7	S14	8.0	5.0	3.0	10
PG9	JSMG-PG9	PG9	S18	9.0	6.0	3.0	10
PG11	JSMG-PG11	PG11	S22	10.0	7.0	3.0	10
PG13.5	JSMG-PG13.5	PG13.5	S24	10.0	7.0	3.5	10
PG16	JSMG-PG16	PG16	S27	10.0	7.0	3.5	10
PG21	JSMG-PG21	PG21	S32	10.0	7.0	3.5	10
PG29	JSMG-PG29	PG29	S40	11.0	8.0	4.5	10
PG36	JSMG-PG36	PG36	S50	13.0	9.0	5.0	10
PG42	JSMG-PG42	PG42	S60	15.0	10.0	5.0	10
PG48	JSMG-PG48	PG48	S65	15.0	10.0	6.0	10



# METALLIC CONDUITS

Reallinkage metallic conduit with high flexibility, excellent bend ability, high waterproof, insulated chemical resistance, temperature-resistant, un-resistant and aging resistance. It can be widely used in railway, vehicle, air-condition, various machine tool and machines, automatic control equipment, electric power plants and communication system.

## SC Stainless steel flexible conduit



### Certification and Characteristics



Material: Galvanized steel strip  
Temperature range: Max to 220°C  
Protection Degree: IP40  
Properties: High flexibility, excellent bend ability, temperature-resistant, resistant to chips.

## Liquid-tight metal conduits



### Certification and Characteristics



Material: Galvanized steel strip, PVC sheath  
Temperature range: -25°C~+80°C, short-term to 100°C  
Protection Degree: IP65  
Properties: High waterproof, insulated, chemical resistance. PVC sheath, fire resistance, uv-resistant, aging resistance.

## Liquid-tight metal conduits



### Certification and Characteristics



Material: Galvanized steel strip, PVC sheath  
Temperature range: -25°C~+80°C, short-term to 100°C  
Protection Degree: IP68  
Properties: Turn-over locked structure to increase strength resistance, hard to break or distort.

## Stainless steel overbraided metal conduits



### Certification and Characteristics



Material: Galvanized steel strip, stainless steel braided  
Temperature range: -45°C~+350°C  
Protection Degree: IP40  
Properties: Temperature-resistance, resistant to high temperature chips. Electromagnetic screen, explosion-resistance.

## Stainless steel flexible conduits



### Certification and Characteristics



Material: Stainless steel  
Temperature range: Max to 220°C  
Protection Degree: IP40  
Properties: Temperature-resistance, resistant to high temperature chips. Resistant to oil, acid, solvents, ect. Turn-over locked structure to increase strength resistance, hard to break or distort.

## SPUL Liquid-tight metal conduits



### Certification and Characteristics



Material: Galvanized steel strip, PVC sheath  
Temperature range: -40°C~+80°C, short-term to 100°C  
Protection Degree: IP68  
Properties: Offer superior tensile resistant, vandalism resistant, high fatigue life, wide temperature tolerances, corrosion resistant and excellent waterproof etc.

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## Metal conduits (squared locked)



Material: Galvanized steel strip(squared locked)  
 Temperature range: Max to 220°C  
 Properties: High flexibility, excellent bend ability, temperature-resistant, resistant to chips.

Colour: Silver  
 Protection Degree: IP40  
 Applications: Various machine tools and machines, elevators, chemical industry. Cable protection in brainpower buildings threading, security system, exterior illumination, and workshop building.

Conduit size	Part no.	OD ( mm )	ID ( mm )	Packing (m/roll)
1/4"	SC12	12.5	9.5	50
3/8"	SC16	15.7	12.5	50
1/2"	SC20	19.5	16.1	50
3/4"	SC25	24.3	20.8	40
1"	SC32	30.0	26.4	30
1 1/4"	SC40	38.0	34.5	30
1 1/2"	SC45	45.0	40.0	20
2"	SC57	57.0	51.0	10
2 1/2"	SC70	70.5	63.0	10
3"	SC85	83.0	76.5	10
4"	SC110	110.0	102.0	10

Note: Inter locked available

## Liquid-tight metal conduits

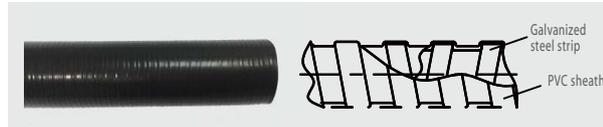


Material: Galvanized steel strip(square locked), PVC sheath  
 Temperature range: -25°C~+80°C, short-term to 100°C  
 Properties: High flexibility, excellent bend ability. High waterproof, insulated, chemical resistance. PVC sheath, fire resistance, uv-resistant, aging resistance.

Colour: Black / Grey  
 Protection Degree: IP65  
 Applications: Railway, vehicle, traffic system project air-condition. Various machine tool and machines. Automatic control equipment, electric power plants. Petroleum, chemical industry, transmission and distribution system, communication system, base station span. Cable protection in ships, buildings and plants.

Conduit size	Part no.	OD ( mm )	ID ( mm )	Packing (m/roll)
1/4"	SPC12	13.2	9.5	50
3/8"	SPC16	16.6	12.5	50
1/2"	SPC20	20.5	16.1	50
3/4"	SPC25	25.5	20.8	40
1"	SPC32	31.6	26.4	30
1 1/4"	SPC40	39.6	34.5	30
1 1/2"	SPC45	46.8	40.0	20
2"	SPC57	58.6	51.0	10
2 1/2"	SPC70	73.5	63.0	10
3"	SPC85	85.5	76.5	10
4"	SPC110	112.5	102.0	10

## SPUL Liquid-tight metal conduits



Material: Galvanized steel strip( square locked & inter locked ), PVC sheath

Temperature range: -40°C~+80°C,short-term to 100°C

Protection Degree: IP68

Properties: Offer superior tensile resistant, vandalism resistant, high fatigue life, wide temperature tolerances, corrosion resistant and excellent water proof etc.

Colour: Black/Grey

Flame-retardant: UL94-V0

Applications: Railway, vehicle, traffic system project air-condition. Various machine tool and machines. Automatic control equipment, electric power plants. Petroleum, chemical industry, transmission and distribution system, communication system, base station span. Cable protection in ships, buildings and plants.

### Square locked

Conduit size	Part no.	OD ( mm )		ID ( mm )		Packing (m/roll)
		Min	Max	Min	Max	
3/8"	SPUL-16	17.50	18.00	12.29	12.80	50
1/2"	SPUL-20	20.80	21.30	15.80	16.31	50
3/4"	SPUL-25	25.20	26.70	20.83	21.34	50
1"	SPUL-32	32.80	33.40	26.44	27.08	30
1 1/4"	SPUL-40	41.40	42.20	35.05	35.81	30

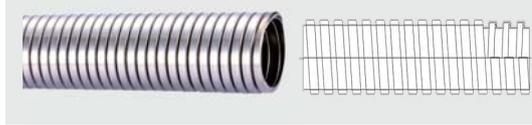
### Inter locked

Conduit size	Part no.	OD ( mm )		ID ( mm )		Packing (m/roll)
		Min	Max	Min	Max	
1 1/2"	SPUL-45	47.40	48.30	40.01	40.64	20
2"	SPUL-57	59.40	60.30	51.31	51.94	10
2 1/2"	SPUL-70	72.10	73.00	62.99	63.63	10
3"	SPUL-85	87.90	88.90	77.98	78.74	5
4"	SPUL-110	113.3	114.3	101.6	102.6	5

Other technical data on request.

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## Stainless steel flexible conduits



Material: Stainless steel(square locked & inter locked)  
Temperature range: Max to 220°C  
Properties: High flexibility, excellent bend ability.  
Temperature-resistance, resistant to high temperature chips.  
Resistant to oil, acid, solvents, ect. Turn-over locked structure to increase strength resistance, hard to break or distort.

Colour: Silver  
Protection Degree: IP40  
Applications: Various machine tools and machines, elevators, chemical industry. Cable protection in Brainpower buildings threading, security system, exterior illumination, and plants building.

### Square locked

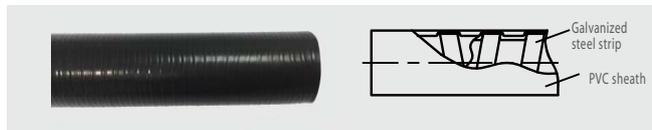
Conduit size	Part no.	OD ( mm )	ID ( mm )	Packing (m/roll)
1/4"	SSC-12	12.5	9.5	50
3/8"	SSC-16	15.7	12.5	50
1/2"	SSC-20	19.5	16.1	50
3/4"	SSC-25	24.3	20.8	40
1"	SSC-32	30.0	26.4	30
1 1/4"	SSC-40	38.0	34.5	30
1 1/2"	SSC-45	45.0	40.0	20
2"	SSC-57	57.0	51.0	10
2 1/2"	SSC-70	70.5	63.0	10
3"	SSC-85	83.0	76.5	10
4"	SSC-110	110.0	102.0	10

### Inter locked

Conduit size	Part no.	OD ( mm )	ID ( mm )	Packing (m/roll)
1/4"	SSC-I12	12.5	9.5	50
3/8"	SSC-I16	15.7	12.5	50
1/2"	SSC-I20	19.5	16.1	50
3/4"	SSC-I25	24.3	20.8	40
1"	SSC-I32	30.0	26.0	30
1 1/4"	SSC-I40	39.0	34.0	30
1 1/2"	SSC-I45	44.0	39.0	20
2"	SSC-I57	56.0	51.0	10
2 1/2"	SSC-I70	67.5	63.0	10

## Liquid-tight metal conduits

Material: Galvanized steel strip(inter locked), PVC sheath  
 Temperature range: -25°C~+80°C,short-term to 100°C  
 Properties: High flexibility, excellent bend ability. High waterproof, insulated chemical resistance. PVC sheath, fire resistance, uv-resistant, aging resistance. Turn-over locked structure to increase strength resistance, hard to break or distort.

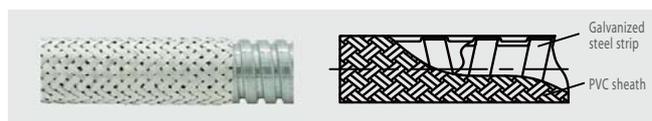


Colour: Black/Grey  
 Protection Degree: IP68  
 Applications: Railway, vehicle, traffic system project air-condition. Various machine tool and machines. Automatic control equipment, electric power plants. Petroleum, chemical industry, transmission and distribution system, communication system, base station span. Cable protection in ships, buildings and plants.

Conduit size	Part no.	OD ( mm )	ID ( mm )	Packing (m/roll)
1/4"	SPLC-12	15.0	9.5	50
3/8"	SPLC-16	17.7	12.5	50
1/2"	SPLC-20	21.3	16.1	50
3/4"	SPLC-25	26.7	20.8	40
1"	SPLC-32	33.0	26.0	30
1 1/4"	SPLC-40	42.2	34.0	30
1 1/2"	SPLC-45	47.8	39.0	20
2"	SPLC-57	59.4	51.0	10
2 1/2"	SPLC-70	72.5	63.0	10

## Stainless steel overbraided metal conduits

Material: Galvanized steel strip ( square locked ) , stainless steel braided  
 Temperature range: -45°C~+350°C  
 Properties: High flexibility, excellent bend ability. Temperature-resistance, resistant to high temperature chips. electromagnetic screen, explosion-resistance.



Colour: Silver  
 Protection Degree: IP40  
 Applications: Various machine tools and machines, elevators, chemical industry. Cable protection in Brainpower buildings threading, security system, exterior illumination, and plants building.

Conduit size	Part no.	OD ( mm )	ID ( mm )	Packing (m/roll)
1/4"	SBC10	10.1	6.8	25
5/16"	SBC12	14.1	10.3	25
3/8"	SBC16	16.7	12.6	25
1/2"	SBC20	20.8	16.1	25
3/4"	SBC25	25.8	21.1	25
1"	SBC32	31.8	26.8	10
1 1/4"	SBC40	41.4	35.4	10
1 1/2"	SBC45	46.1	40.3	10
2"	SBC57	57.8	51.6	5

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## RPC Liquid-tight economical metal conduits



Material: Galvanized steel strip( square locked), PVC sheath  
 Temperature range: -25°C~+80°C,short-term to 100°C  
 Properties: High flexibility, excellent bend ability, smooth inside structure makes it easy to go thread. Highly waterproof, insulated, chemical resistance. PVC sheath, adding in composition of fire resistance property, uv-resistant, aging resistance.

Colour: Black/Grey  
 Protection Degree: IP65  
 Applications: Railway, vehicle, traffic system project, air-condition. Various machine tool and machines. Automatic control equipment, electric power plants. Petroleum, chemical industry, transmission and distribution system, communication system, base station span. Cable protection in ships, buildings and plants.

Conduit size	Part no.	OD ( mm )		ID ( mm )		Packing (m/roll)
		Min	Max	Min	Max	
1/4"	RPC10	11.0	11.5	8.0	8.6	100
5/16"	RPC12	12.6	13.4	9.4	10.2	100
3/8"	RPC16	15.6	16.0	12.9	13.3	50
1/2"	RPC20	19.5	20.0	16.3	16.8	50
3/4"	RPC25	24.1	24.7	20.6	21.2	50
1"	RPC32	30.0	30.6	25.4	26.0	50
1 1/4"	RPC40	38.5	39.4	33.9	34.6	30
1 1/2"	RPC45	43.8	44.5	39.9	40.6	25
2"	RPC57	55.5	56.2	50.5	51.2	20
2 1/2"	RPC70	69.0	71.0	61.8	62.3	10
3"	RPC85	85.0	87.0	77.8	78.3	10
4"	RPC110	108.0	110.0	100.8	101.3	5

## SSPC Liquid-tight metal conduits



Material: Stainless steel(square locked), PVC sheath  
 Temperature range: -25°C~+80°C, short-term to 100°C  
 Properties: High flexibility, excellent bend ability. High waterproof, insulated, chemical resistance. PVC sheath, fire resistance, uv-resistant, aging resistance.

Colour: Black / Grey  
 Protection Degree: IP65  
 Applications: Petrochemical and refining industry, infrastructure, construction, critical power, nuclear energy, metallurgy and etc. which required cable wire protection.

Conduit size	Part no.	OD (mm)	ID (mm)	Packing (m/roll)
1/4"	SSPC12	13.2	9.5	50
3/8"	SSPC16	16.6	12.5	50
1/2"	SSPC20	20.5	16.1	50
3/4"	SSPC25	25.5	20.8	40
1"	SSPC32	31.6	26.4	30
1 1/4"	SSPC40	39.6	34.5	30
1 1/2"	SSPC45	46.8	40.0	20
2"	SSPC57	58.6	51.0	10
2 1/2"	SSPC70	73.5	63.0	10
3"	SSPC85	85.5	76.5	10
4"	SSPC110	112.5	102.0	10



# Metallic Fittings

Realinkage metallic fittings include straight fitting, 45 ° Elbow fitting, and 90 ° Elbow fitting. There are external threads and internal threads available. What' s more, Adapter Converter, Metal Female Coupler, P-Clip Conduit Support etc.

Realinkage fittings which connect with conduits range from 10mm to 106mm, there are M, PG and PF thread.

Realinkage metallic fittings have passed many tests including CE, UL Test, RoHS and others.

Zinc alloy external thread straight fitting



### Certification and Characteristics

Material: Zinc alloy with zinc, chromium plated  
Temperature range: -40°C~+120°C,short-term to 150°C  
Protection Degree: IP65  
Fitting conduits: SC, SPC, SPLC,SBC,SSC,SPUL,RPC,SSPC



Brass external thread straight fitting



### Certification and Characteristics

Material: Nickel-plated brass  
Temperature range: -40°C~+125°C  
Protection Degree: IP40-66  
Fitting conduits: SC, SPC, SPLC,SBC,SSC,SPUL,RPC,SSPC



Galvanized iron external thread straight fitting



### Certification and Characteristics

Material: Galvanized iron  
Temperature range: -40°C~+125°C  
Protection Degree: IP40-66  
Fitting conduits: SC, SPC, SPLC,SBC,SSC,SPUL,RPC,SSPC



Zinc alloy internal thread straight fitting



### Certification and Characteristics

Material: Zinc alloy with zinc, chromium plated  
Temperature range: -40°C~+120°C,short-term to 150°C  
Protection Degree: IP65  
Fitting conduits: SC, SPC, SPLC,SBC,SSC,SPUL,RPC,SSPC



Brass internal thread straight fitting



### Certification and Characteristics

Material: Nickel-plated brass  
Temperature range: -40°C~+125°C  
Protection Degree: IP40-66  
Fitting conduits: SC, SPC, SPLC,SBC,SSC,SPUL,RPC,SSPC



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## Zinc alloy external thread straight fitting

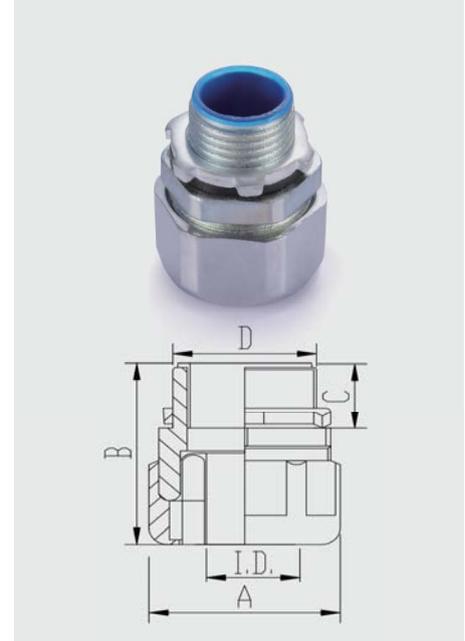
Material: Zinc alloy with zinc, chromium plated

Temperature range: -40°C ~ +120°C , short-term to 150°C

Protection Degree: IP65

Fitting conduits: SC, SPC, SPLC, SBC, SSC, SPUL, RPC, SSPC

Properties: Thickened in zinc alloy with zinc or hard chromium, perfect appearance, compact structure and high strength. Masterly design of sheath and button up, matching tight equipment that bring timesaving, advantage and high stretching resistance.



### METRIC THREAD

Fits to conduit size	Part no.	Thread	I.D	A	B	C	D	Packing (pcs)
5/16"	SPC12-M16-A	M16X1.5	9.3	25.8	25.2	9.2	15.3	50
3/8"	SPC16-M20-A	M20X1.5	11.3	27.3	31.4	11.4	19.3	50
1/2"	SPC20-M20-A	M20X1.5	15.0	31.9	35.1	12.0	19.4	50
1/2"	SPC20-M24-A	M24X1.5	14.9	31.9	35.1	12.3	23.4	50
3/4"	SPC25-M27-A	M27X2.0	19.2	38.3	37.7	14.2	26.4	50
3/4"	SPC25-M30-A	M30X2.0	18.5	38.2	36.6	12.4	29.2	50
1"	SPC32-M33-A	M33X2.0	24.8	34.9	41.6	15.3	32.7	50
1"	SPC32-M36-A	M36X2.0	24.3	44.9	41.0	14.2	35.3	50
1 1/4"	SPC40-M42-A	M42X2.0	33.3	56.0	46.8	16.8	41.4	25
1 1/4"	SPC40-M48-A	M48X2.0	33.5	56.0	46.8	15.5	47.4	25
1 1/2"	SPC45-M48-A	M48X2.0	37.2	62.1	48.7	18.2	47.5	20
1 1/2"	SPC45-M60-A	M60X2.0	37.3	62.1	47.8	17.5	59.0	20
2"	SPC57-M60-A	M60X2.0	48.6	76.5	55.6	20.6	59.5	10
2"	SPC57-M72-A	M72X2.0	48.8	85.0	73.0	25.0	72.0	10

### PF THREAD

Fits to conduit size	Part no.	Thread	I.D	A	B	C	D	Packing (pcs)
5/16"	SPC12-PF3/8" -A	PF3/8"	9.3	25.8	25.1	9.5	15.3	50
3/8"	SPC16-PF1/2" -A	PF1/2"	11.4	27.4	30.2	11.5	19.5	50
1/2"	SPC20-PF1/2" -A	PF1/2"	14.5	31.8	34.5	12.2	20.4	50
3/4"	SPC25-PF3/4" -A	PF3/4"	18.6	38.2	37.8	14.3	25.7	50
1"	SPC32-PF1" -A	PF1"	24.8	44.9	42.1	15.1	32.6	50
1 1/4"	SPC40-PF1 1/4" -A	PF1 1/4"	33.4	56.0	44.2	16.8	41.3	25
1 1/2"	SPC45-PF1 1/2" -A	PF1 1/2"	37.3	62.2	48.5	18.3	47.2	20
2"	SPC57-PF2" -A	PF2"	48.5	77.3	54.1	20.1	59.1	10
2 1/2"	SPC70-PF2 1/2" -A	PF2 1/2"	60.7	94.2	63.6	23.3	74.5	5
3"	SPC85-PF3" -A	PF3"	73.5	107.0	69.3	25.8	87.0	2
4"	SPC110-PF4" -A	PF4"	97.6	165.0	115.0	34.0	113.0	2

## 45° Zinc alloy Elbow fitting

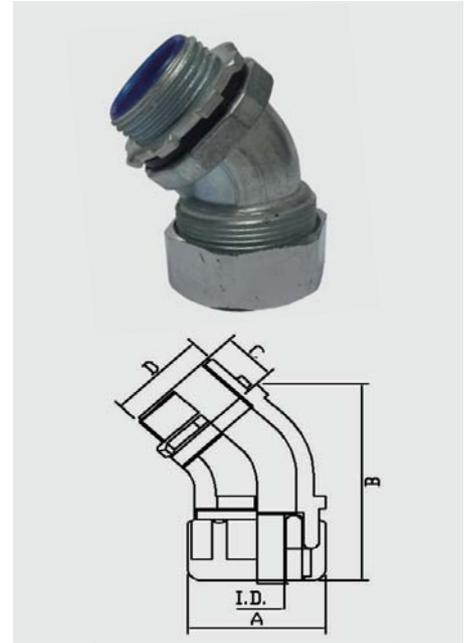
Material: Zinc alloy with zinc, chromium plated

Temperature range: -40°C ~ +120°C , short-term to 150°C

Protection Degree: IP65

Fitting conduits: SC, SPC, SPLC, SBC, SSC, SPUL, RPC, SSPC

Properties: Thickened in zinc alloy with zinc or hard chromium, perfect appearance, compact structure and high strength. Masterly design of sheath and button up, matching tight equipment that bring timesaving, advantage and high stretching resistance. Waterproof, dustproof, resistance to salt, acid base, alcohol, oils, fats and other ordinary dissolvent.



### METRIC THREAD

Fits to conduit size	Part no.	Thread	I.D	A	B	C	D	Packing (pcs)
5/16"	SPC12-M16-A45	M16X1.5	8.5	21.0	55.0	13.0	16.0	50
3/8"	SPC16-M20-A45	M20X1.5	11.2	27.6	57.0	15.0	20.0	50
1/2"	SPC20-M20-A45	M20X1.5	14.8	34.5	57.5	15.0	20.0	50
1/2"	SPC20-M24-A45	M24X1.5	14.8	34.5	57.5	15.0	24.0	50
3/4"	SPC25-M27-A45	M27X2.0	18.7	41.5	62.0	17.3	27.0	50
3/4"	SPC25-M30-A45	M30X2.0	18.7	41.5	62.0	17.3	30.0	50
1"	SPC32-M33-A45	M33X2.0	24.8	47.5	64.0	20.5	33.0	50
1"	SPC32-M36-A45	M36X2.0	24.8	47.5	64.0	20.5	36.0	50
1 1/4"	SPC40-M42-A45	M42X2.0	33.1	57.0	92.7	20.7	42.0	25
1 1/4"	SPC40-M48-A45	M48X2.0	33.1	57.0	92.7	20.7	48.0	25
1 1/2"	SPC45-M48-A45	M48X2.0	38.0	70.5	98.0	24.5	48.0	20
1 1/2"	SPC45-M60-A45	M60X2.0	38.0	70.5	98.0	24.5	60.0	20
2"	SPC57-M60-A45	M60X2.0	48.8	85.0	160.0	25.0	60.0	10
2"	SPC57-M72-A45	M72X2.0	48.8	85.0	160.0	25.0	72.0	10

### PF THREAD

Fits to conduit size	Part no.	Thread	I.D	A	B	C	D	Packing (pcs)
5/16"	SPC12-PF3/8" -A45	PF3/8"	8.5	21.0	55.0	13.0	16.6	50
3/8"	SPC16-PF1/2" -A45	PF1/2"	11.2	27.6	57.0	15.0	20.9	50
1/2"	SPC20-PF1/2" -A45	PF1/2"	14.6	30.0	48.0	11.5	20.4	50
3/4"	SPC25-PF3/4" -A45	PF3/4"	19.0	35.0	57.0	13.5	25.8	50
1"	SPC32-PF1" -A45	PF1"	24.5	41.5	70.0	15.0	33.5	50
1 1/4"	SPC40-PF1 1/4" -A45	PF1 1/4"	33.7	52.0	92.7	16.0	41.1	25
1 1/2"	SPC45-PF1 1/2" -A45	PF1 1/2"	37.7	59.0	86.0	17.0	47.0	20
2"	SPC57-PF2" -A45	PF2"	49.0	73.0	99.0	19.0	59.0	10
2 1/2"	SPC70-PF2 1/2" -A45	PF2 1/2"	61.5	89.0	112.0	23.0	74.3	5
3"	SPC85-PF3" -A45	PF3"	75.8	122.0	182.6	26.0	87.8	2
4"	SPC110-PF4" -A45	PF4"	97.6	165.0	223.5	34.0	113.0	2

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## 90° Zinc alloy Elbow fitting

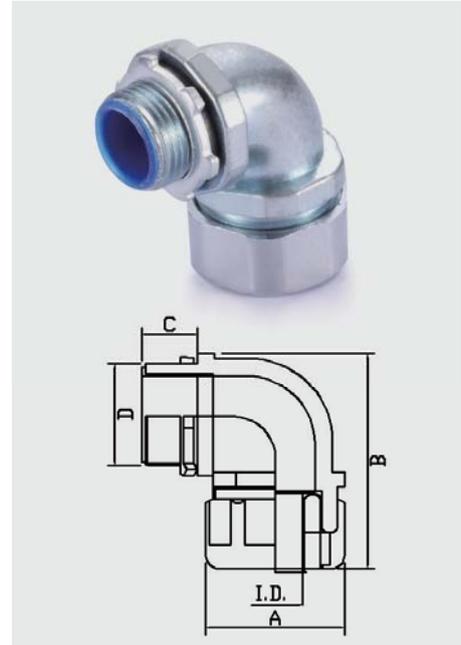
Material: Zinc alloy with zinc, chromium plated

Temperature range: -40°C ~ +120°C , short-term to 150°C

Protection Degree: IP65

Fitting conduits: SC, SPC, SPLC,SBC,SSC,SPUL,RPC,SSPC

Properties: Thickened in zinc alloy with zinc or hard chromium, perfect appearance, compact structure and high strength. Masterly design of sheath and button up, matching tight equipment that bring timesaving, advantage and high stretching resistance. Waterproof, dustproof, resistance to salt, acid base, alcohol, oils, fats and other ordinary dissolvent.



### METRIC THREAD

Fits to conduit size	Part no.	Thread	I.D	A	B	C	D	Packing (pcs)
5/16"	SPC12-M16-A90	M16X1.5	9.3	25.8	55.0	9.2	15.3	50
3/8"	SPC16-M20-A90	M20X1.5	11.3	27.3	55.0	11.4	19.3	50
1/2"	SPC20-M20-A90	M20X1.5	15.0	31.9	61.0	12.0	19.4	50
1/2"	SPC20-M24- A90	M24X1.5	14.9	31.9	61.0	12.3	23.4	50
3/4"	SPC25-M27- A90	M27X2.0	19.2	38.3	62.0	14.2	26.4	50
3/4"	SPC25-M30- A90	M30X2.0	18.5	38.2	62.0	12.4	29.2	50
1"	SPC32-M33- A90	M33X2.0	24.8	34.9	76.0	15.3	32.7	50
1"	SPC32-M36- A90	M36X2.0	24.3	44.9	76.0	14.2	35.3	50
1 1/4"	SPC40-M42- A90	M42X2.0	33.3	56.0	99.0	16.8	41.4	25
1 1/4"	SPC40-M48- A90	M48X2.0	33.5	56.0	99.0	15.5	47.4	25
1 1/2"	SPC45-M48- A90	M48X2.0	37.2	62.1	107.5	18.2	47.5	20
1 1/2"	SPC45-M60- A90	M60X2.0	37.3	62.1	107.5	17.5	59.0	20
2"	SPC57-M60- A90	M60X2.0	48.6	76.5	125.0	20.6	59.5	10
2"	SPC57-M72- A90	M72X2.0	48.8	85.0	125.0	25.0	72.0	10

### PF THREAD

Fits to conduit size	Part no.	Thread	I.D	A	B	C	D	Packing (pcs)
5/16"	SPC12-PF3/8" -A90	PF3/8"	8.5	21.0	55.0	13.0	16.6	50
3/8"	SPC16-PF1/2" -A90	PF1/2"	11.4	27.4	47.6	11.2	19.4	50
1/2"	SPC20-PF1/2" - A90	PF1/2"	14.9	31.8	50.6	12.5	20.4	50
3/4"	SPC25-PF3/4" - A90	PF3/4"	18.8	38.2	60.9	14.9	25.9	50
1"	SPC32-PF1" - A90	PF1"	24.8	47.5	76.0	20.5	33.2	50
1 1/4"	SPC40-PF1 1/4" - A90	PF1 1/4"	33.1	57.0	99.0	20.7	41.9	25
1 1/2"	SPC45-PF1 1/2" - A90	PF1 1/2"	37.5	62.2	96.5	16.7	47.0	20
2"	SPC57-PF2" - A90	PF2"	48.8	85.0	125.0	25.0	59.6	10
2 1/2"	SPC70-PF2 1/2" - A90	PF2 1/2"	59.4	102.0	212.8	29.5	75.1	5
3"	SPC85-PF3" - A90	PF3"	75.8	122.0	244.4	26.0	87.8	2
4"	SPC110-PF4" - A90	PF4"	97.6	165.0	319.0	34.0	113.0	2

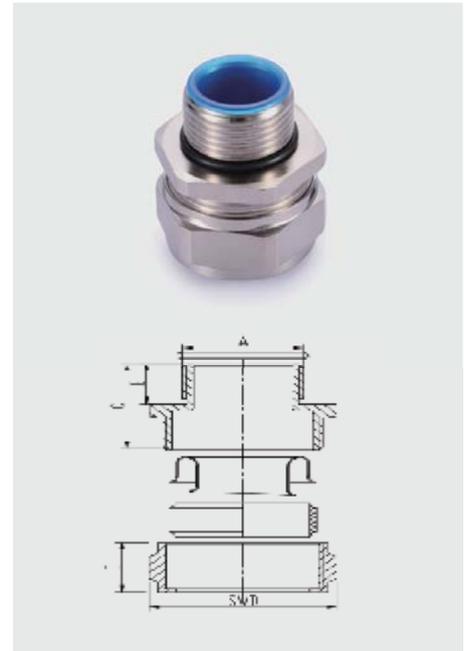
## Brass external thread Straight fitting

Material: Nickel-plated brass

Temperature range: -40°C ~ +125°C

Protection Degree: IP40-68

Fitting conduits: SC, SPC, SPLC,SBC,SSC,SPUL,RPC,SSPC



### METRIC THREAD

Fits to conduit size	Part no.	A Thread	B	C	D	E	Packing ( pcs)
5/16"	SPC12-M16-M	M16X1.5	8.5	20.0	22.0	12.0	50
3/8"	SPC16-M16-M	M16X1.5	8.5	21.0	26.0	13.0	50
3/8"	SPC16-M20-M	M20X1.5	8.5	21.0	26.0	13.0	50
1/2"	SPC20-M20-M	M20X1.5	9.0	25.0	28.0	13.0	50
3/4"	SPC25-M25-M	M25X1.5	12.0	25.5	35.0	14.5	50
1"	SPC32-M32-M	M32X1.5	14.0	28.5	45.0	17.0	50
1 1/4"	SPC40-M40-M	M40X1.5	14.0	30.5	55.0	17.0	25
1 1/2"	SPC45-M50-M	M50X1.5	-	-	-	-	20

### PG THREAD

Fits to conduit size	Part no.	A Thread	B	C	D	E	Packing ( pcs)
5/16"	SPC12-PG9-M	PG9	-	-	-	-	50
3/8"	SPC16-PG11-M	PG11	8.5	21.0	26.0	13.0	50
3/8"	SPC16-PG13.5-M	PG13.5	9.0	21.0	26.0	13.0	50
1/2"	SPC20-PG16-M	PG16	8.0	23.0	28.0	13.0	50
3/4"	SPC25-PG21-M	PG21	12.0	25.5	35.0	14.5	50
1"	SPC32-PG29-M	PG29	14.0	30.5	45.0	16.0	50
1 1/4"	SPC40-PG36-M	PG36	16.0	39.0	59.0	19.0	25
1 1/2"	SPC45-PG48-M	PG48	-	-	-	-	20

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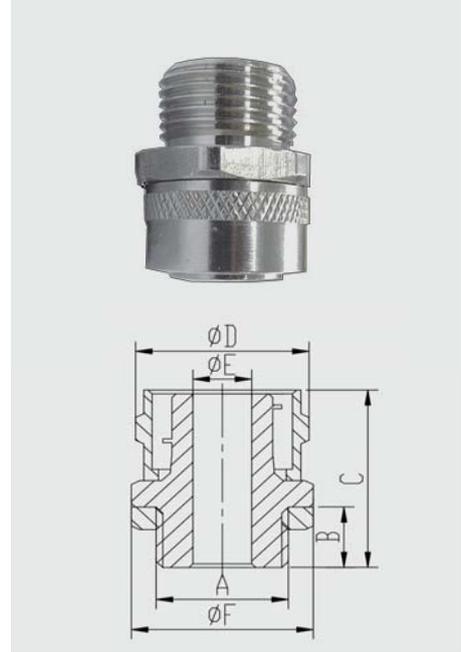
## Galvanized iron external thread Straight fitting

Material: Galvanized iron

Temperature range: -40°C ~ +125°C

Protection Degree: IP54

Fitting conduits: SC, SPC, SPLC,SBC,SSC,SPUL,RPC,SSPC



### METRIC THREAD

Fits to conduit size	Part no.	Thread	I.D	A	B	C	D	Packing (pcs)
5/16"	SPC12-M16-C	M16X1.5	8.0	23.0	18.0	7.2	22.0	50
3/8"	SPC16-M16-C	M16X1.5	10.0	25.5	21.0	10.3	22.0	50
3/8"	SPC16-M20-C	M20X1.5	10.0	25.5	21.0	10.3	27.0	50
1/2"	SPC20-M20-C	M20X1.5	13.0	29.0	25.0	13.5	27.0	50
3/4"	SPC25-M25-C	M25X1.5	12.0	36.5	29.7	18.0	35.0	50
1"	SPC32-M32-C	M32X1.5	14.0	39.0	36.0	23.0	41.0	50
1 1/4"	SPC40-M40-C	M40X1.5	15.0	43.0	45.0	32.0	53.0	25
1 1/2"	SPC45-M50-C	M50X1.5	15.0	45.0	50.0	37.4	66.0	20
2"	SPC57-M63-C	M63X1.5	20.0	57.0	61.0	47.5	74.0	10
2 1/2"	SPC70-M70-C	M70X1.5	20.0	60.0	78.0	60.0	84.0	10

### PG THREAD

Fits to conduit size	Part no.	Thread	I.D	A	B	C	D	Packing (pcs)
5/16"	SPC12-PG9-C	PG9	8.0	23.0	18.0	7.2	22.0	50
3/8"	SPC16-PG11-C	PG11	10.0	25.5	21.0	10.3	25.0	50
1/2"	SPC20-PG16-C	PG16	13.0	29.0	25.0	13.5	28.0	50
3/4"	SPC25-PG21-C	PG21	12.0	36.5	29.7	18.0	30.0	50
1"	SPC32-PG29-C	PG29	14.0	39.0	36.0	23.0	38.0	50
1 1/4"	SPC40-PG36-C	PG36	15.0	43.0	45.0	32.0	45.0	25
1 1/2"	SPC45-PG42-C	PG42	15.0	45.0	50.0	37.4	59.0	20
2"	SPC57-PG48-C	PG48	20.0	57.0	61.0	47.5	69.0	10

## Zinc alloy internal thread Straight Fitting

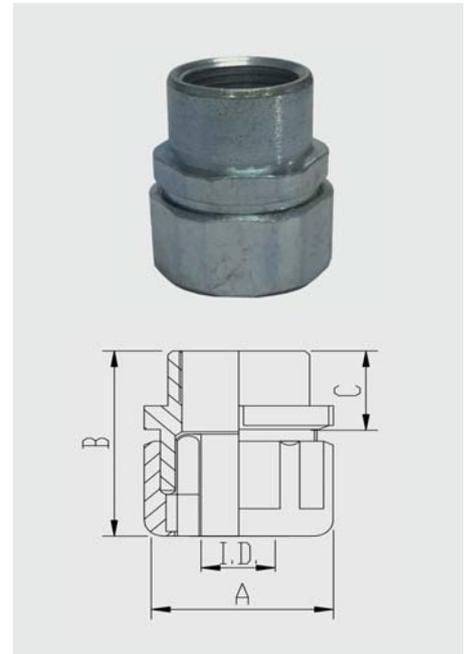
Material: Zinc alloy with zinc, chromium plated

Temperature range: -40°C ~ +120°C , short-term to 150°C

Protection Degree: IP65

Fitting conduits: SC, SPC, SPLC,SBC,SSC,SPUL,RPC,SSPC

Properties: Thickened in zinc alloy with zinc or hard chromium, perfect appearance, compact structure and high strength. Masterly design of sheath and button up, matching tight equipment that bring timesaving, advantage and high stretching resistance. Waterproof, dustproof, resistance to salt, acid base, alcohol, oils, fats and other ordinary dissolvent.



### METRIC THREAD

Fits to conduit size	Part no.	Thread	I.D	A	B	C	D	Packing (pcs)
5/16"	SPC12-M12-FA	M12X1.5	8.5	21.0	37.0	17.0	12.0	50
3/8"	SPC16-M16-FA	M16X1.5	11.2	27.6	37.0	17.0	16.0	50
1/2"	SPC20-M20-FA	M20X1.5	14.8	34.5	37.0	17.5	20.0	50
3/4"	SPC25-M30-FA	M30X2.0	18.7	41.5	47.0	21.5	30.0	50
1"	SPC32-M33-FA	M33X2.0	24.8	47.5	48.0	23.0	33.0	50
1 1/4"	SPC40-M42-FA	M42X2.0	33.1	57.0	59.3	29.0	42.0	25
1 1/2"	SPC45-M48-FA	M48X2.0	38.0	70.5	69.0	28.0	48.0	20
2"	SPC57-M60-FA	M60X2.0	48.8	85.0	69.3	28.3	60.0	10

### PF THREAD

Fits to conduit size	Part no.	Thread	I.D	A	B	C	D	Packing (pcs)
5/16"	SPC16-PF3/8" -FA	PF3/8"	8.5	21.0	37.0	17.0	16.6	50
3/8"	SPC16-PF1/2" -FA	PF1/2"	14.6	30.0	35.3	18.5	19.2	50
1/2"	SPC20-PF1/2" -FA	PF1/2"	14.8	34.5	37.0	17.5	19.6	50
3/4"	SPC25-PF3/4" -FA	PF3/4"	19.0	35.0	36.0	17.5	24.7	50
1"	SPC32-PF1" -FA	PF1"	24.5	41.5	39.0	19.0	31.0	50
1 1/4"	SPC40-PF1 1/4" -FA	PF1 1/4"	33.7	52.0	43.0	21.0	39.7	25
1 1/2"	SPC45-PF1 1/2" -FA	PF1 1/2"	37.7	59.0	46.5	23.0	45.7	20
2"	SPC57-PF2" -FA	PF2"	49.0	73.0	53.0	26.0	57.3	10
2 1/2"	SPC70-PF2 1/2" -FA	PF2 1/2"	61.5	89.0	62.5	30.0	73.1	5
3"	SPC85-PF3" -FA	PF3"	74.0	102.0	63.0	30.0	85.7	2
4"	SPC110-PF4" -FA	PF4"	98.5	133.0	75.5	37.0	100.6	2

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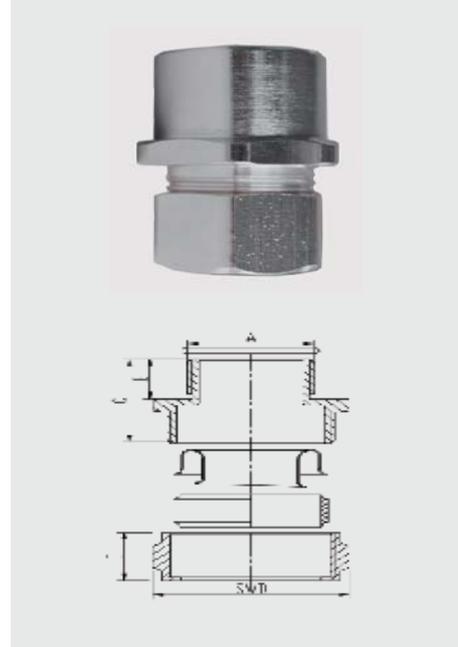
## Brass internal thread Straight fitting

Material: Nickel-plated brass

Temperature range: -40°C ~ +125°C

Protection Degree: IP68

Fitting conduits: SC, SPC, SPLC, SBC, SSC, SPUL, RPC, SSPC



### METRIC THREAD

Fits to conduit size	Part no.	A Thread	B	C	D	E	Packing (pcs)
5/16"	SPC12-M16-FM	M16X1.5	8.0	20.0	12.0	22.0	50
3/8"	SPC16-M16-FM	M16X1.5	9.0	21.0	26.0	13.0	50
3/8"	SPC16-M20-FM	M20X1.5	9.0	20.5	26.0	13.5	50
1/2"	SPC20-M20-FM	M20X1.5	12.0	25.0	28.0	13.0	50
3/4"	SPC25-M25-FM	M25X1.5	12.0	25.5	35.0	14.5	50
1"	SPC32-M32-FM	M32X1.5	14.0	28.5	42.0	16.0	50
1 1/4"	SPC40-M40-FM	M40X1.5	14.0	29.5	50.0	17.0	25

### PG THREAD

Fits to conduit size	Part no.	A Thread	B	C	D	E	Packing (pcs)
3/8"	SPC16-PG11-FM	PG11	9.0	20.5	26.0	13.5	50
3/8"	SPC16-PG13.5-FM	PG13.5	9.0	21.0	26.0	13.0	50
1/2"	SPC20-PG16-FM	PG16	11.0	22.5	28.5	13.0	50
3/4"	SPC25-PG21-FM	PG21	12.0	25.5	35.0	14.5	50
1"	SPC32-PG29-FM	PG29	14.0	30.5	45.0	16.0	50
1 1/4"	SPC40-PG36-FM	PG36	16.0	39.0	59.0	19.0	25

## Enlarger Adaptor



Material: Nickel Plated brass

### METRIC THREAD

Part no.	External thread	Internal thread	Packing (pcs)
B/M12-M16/E	M12	M16	10
B/M16-M18/E	M16	M18	10
B/M16-M20/E	M16	M20	10
B/M18-M20/E	M18	M20	10
B/M20-M25/E	M20	M25	10
B/M25-M30/E	M25	M30	10
B/M25-M32/E	M25	M32	10
B/M30-M36/E	M30	M36	10
B/M32-M40/E	M32	M40	10
B/M36-M48/E	M36	M48	10
B/M40-M50/E	M40	M50	10
B/M60-M63/E	M60	M63	10

### PG THREAD

Part no.	External thread	Internal thread	Packing (pcs)
B/PG7-PG9/E	PG7	PG9	10
B/PG9-PG11/E	PG9	PG11	10
B/PG9-PG13/E	PG9	PG13	10
B/PG11-PG13/E	PG11	PG13	10
B/PG11-PG16/E	PG11	PG16	10
B/PG11-PG21/E	PG11	PG21	10
B/PG13-PG16/E	PG13	PG16	10
B/PG13-PG21/E	PG13	PG21	10
B/PG16-PG21/E	PG16	PG21	10
B/PG16-PG29/E	PG16	PG29	10
B/PG21-PG29/E	PG21	PG29	10
B/PG29-PG36/E	PG29	PG36	10
B/PG36-PG42/E	PG36	PG42	10
B/PG42-PG48/E	PG42	PG48	10

## Reducer Adaptor



Material: Nickel Plated brass

### METRIC THREAD

Part no.	External thread	Internal thread	Packing (pcs)
B/M16-M12/R	M16	M12	10
B/M20-M16/R	M20	M16	10
B/M24-M20/R	M24	M20	10
B/M25-M20/R	M25	M20	10
B/M32-M25/R	M32	M25	10
B/M36-M32/R	M36	M32	10
B/M40-M32/R	M40	M32	10
B/M50-M40/R	M50	M40	10
B/M63-M50/R	M63	M50	10

### PG THREAD

Part no.	External thread	Internal thread	Packing (pcs)
B/PG11-PG9/R	PG11	PG9	10
B/PG21-PG16/R	PG21	PG16	10
B/PG29-PG21/R	PG29	PG21	10
B/PG36-PG29/R	PG36	PG29	10
B/PG48-PG42/R	PG48	PG42	10

# 61/62

## Adapter swivel converter

Material: Nickel-plated brass

Protection Degree: IP67



### METRIC THREAD

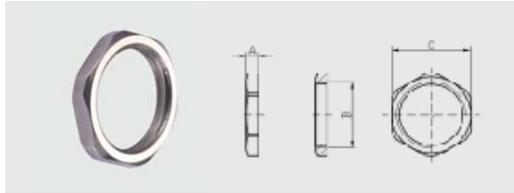
Part no.	A Thread	B	C	D	E	F	Packing (pcs)
RBM/M16-M16/E	M16X1.5	11.0	10.0	12.0	30.2	22.0	10
RBM/M20-M20/E	M20X1.5	15.0	10.0	12.0	30.2	27.0	10
RBM/M25-M25/E	M25X1.5	19.0	12.0	13.0	33.2	32.0	10
RBM/M32-M32/E	M32X1.5	26.0	14.0	14.0	36.2	40.0	10
RBM/M40-M40/E	M40X1.5	34.0	15.0	15.0	38.2	47.0	10
RBM/M50-M50/E	M50X1.5	44.0	17.0	17.0	42.2	57.0	10

### PG THREAD

Part no.	A Thread	B	C	D	E	F	Packing (pcs)
RBM/PG9-PG9/E	PG9	9.5	10.0	12.0	30.2	22.0	10
RBM/PG11-PG11/E	PG11	12.5	10.0	12.0	30.2	25.0	10
RBM/PG13-PG13/E	PG13	14.5	10.0	12.0	30.2	30.0	10
RBM/PG16-PG16/E	PG16	16.5	10.0	12.0	30.2	32.0	10
RBM/PG21-PG21/E	PG21	22.0	12.0	13.0	33.2	35.0	10
RBM/PG29-PG29/E	PG29	31.0	15.0	15.0	38.2	45.0	10
RBM/PG36-PG36/E	PG36	48.0	17.0	17.0	42.2	55.0	10
RBM/PG48-PG48/E	PG48	53.0	17.0	17.0	42.2	70.0	10

# Locknut

Material: Nickel-plated brass



## METRIC THREAD

Series	Thread	Part no.	A	B	C	Packing (pcs)
R	M12X1.5	R-LNB-M12	3.0	M12	S19	50
R	M16X1.5	R-LNB-M16	3.5	M16	S20	50
R	M20X1.5	R-LNB-M20	3.5	M20	S24	50
R	M25X1.5	R-LNB-M25	3.5	M25	S30	50
R	M32X1.5	R-LNB-M32	5.0	M32	S38	25
R	M40X1.5	R-LNB-M40	5.0	M40	S50	25
R	M50X1.5	R-LNB-M50	6.0	M50	S60	10
R	M63X1.5	R-LNB-M63	6.0	M63	S68	10
H	M12X1.5	H-LNB-M12	3.0	M12	S14	50
H	M16X1.5	H-LNB-M16	3.0	M16	S20	50
H	M20X1.5	H-LNB-M20-1	3.0	M20	S22	50
H	M20X1.5	H-LNB-M20	3.0	M20	S24	50
H	M25X1.5	H-LNB-M25-1	3.0	M25	S27	50
H	M25X1.5	H-LNB-M25	3.5	M25	S30	50
H	M32X1.5	H-LNB-M32-1	4.0	M32	S36	25
H	M32X1.5	H-LNB-M32	4.5	M32	S40	25
H	M40X1.5	H-LNB-M40-1	4.5	M40	S45	25
H	M40X1.5	H-LNB-M40	4.5	M40	S50	25
H	M50X1.5	H-LNB-M50	5.0	M50	S57	10
H	M63X1.5	H-LNB-M63	5.5	M63	S70	10

## PG THREAD

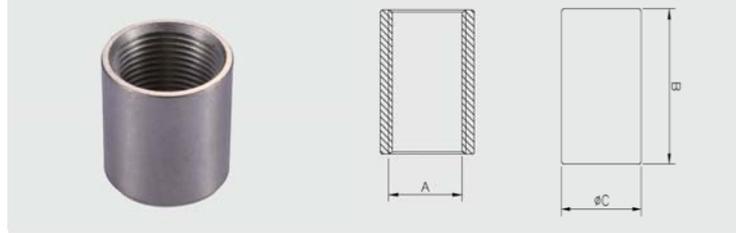
Series	Thread	Part no.	A	B	C	Packing (pcs)
R	PG9	R-LNB/PG9	3.0	15.2	S20	10
R	PG11	R-LNB/PG11	3.0	18.6	S22	10
R	PG13	R-LNB/PG13.5	3.5	20.4	S24	10
R	PG16	R-LNB/PG16	3.5	22.5	S27	10
R	PG21	R-LNB/PG21	3.5	28.3	S32	10
R	PG29	R-LNB/PG29	4.0	37.0	S41	10
R	PG36	R-LNB/PG36	5.0	47.0	S50	10
R	PG42	R-LNB/PG42	5.0	54.0	S60	10
R	PG48	R-LNB/PG48	5.0	59.3	S68	10
H	PG9	H-LNB/PG9	2.8	15.2	S18	10
H	PG11	H-LNB/PG11	3.0	18.6	S22	10
H	PG13	H-LNB/PG13.5	3.5	20.4	S24	10
H	PG16	H-LNB/PG16	3.5	22.5	S27	10
H	PG21	H-LNB/PG21	3.5	28.3	S32	10
H	PG29	H-LNB/PG29	4.5	37.0	S40	10
H	PG36	H-LNB/PG36-1	5.0	47.0	S50	10
H	PG36	H-LNB/PG36	5.0	47.0	S55	10
H	PG42	H-LNB/PG42	5.0	54.0	S60	10
H	PG48	H-LNB/PG48	6.0	59.3	S65	10

Note: R Series for use with RL fitting, H Series for use with HSM cable gland.

# 63/64

## Metal female coupler

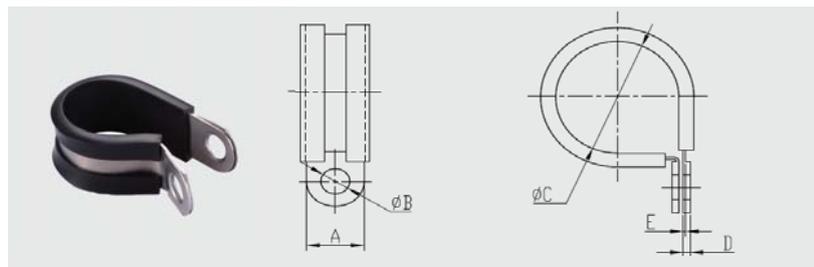
Material: Brass



Part no.	A Thread	B	C	Packing (pcs)
B/M16/C	M16X1.5	25.0	20.0	10
B/M20/C	M20X1.5	27.0	24.0	10
B/M25/C	M25X1.5	30.0	30.0	10
B/M32/C	M32X1.5	34.0	37.0	10
B/M40/C	M40X1.5	35.0	45.0	10
B/M50/C	M50X1.5	37.0	55.0	10
B/M63/C	M63X1.5	40.0	69.0	10
B/M75/C	M75X1.5	40.0	80.0	10

## P-clip conduit support

Material: Galvanized steel / 304 Stainless steel



Part no.		A	B	C	D	E	Packing (pcs)
Galvanized steel	304 Stainless steel						
PCLIPC/10	PCLIPC/10-S	13.0	6.4	9.5	1.5	0.7	10
PCLIPC/13	PCLIPC/13-S	13.0	6.4	12.5	1.5	0.7	10
PCLIPC/16	PCLIPC/16-S	13.0	6.4	14.8	1.4	0.7	10
PCLIPC/21	PCLIPC/21-S	12.6	6.4	20.5	1.6	0.7	10
PCLIPC/28	PCLIPC/28-S	13.0	6.4	27.2	1.5	0.7	10
PCLIPC/34	PCLIPC/34-S	13.0	6.4	31.4	1.6	0.7	10
PCLIPC/42	PCLIPC/42-S	13.0	6.4	40.0	1.7	1.0	10
PCLIPC/54	PCLIPC/54-S	13.0	6.4	52.5	1.7	1.0	10



# WIRING DUCT

Wiring duct is widely used in electric equipment to make the cable wiring more convenient, neat and easy to check and maintain.

Realinkage offer wiring duct with material PVC or PC+ABS for customers' choice. Normal color is grey, but customization for special color is available.

Halogen free & low smoke duct



### Certification and Characteristics

Material: PC+ABS

Temperature range: -40°C~+90°C

Flam-retardant: UL94-V0

Properties: Rohs compliant, low smoke. Insulating material, electrical safety, fire safety.



Non-slip duct



### Certification and Characteristics

Material: Low smoke, halogen free, rigid PVC

Temperature range: -40°C~+80°C

Flam-retardant: UL94-V0

Properties: Easy to install does not fall off at any angle; Easy wiring harness longitudinal arrangement; Bottom hole to diversity the design, suitable for cable wiring, section appearance.



WDPK/X Wiring duct



### Certification and Characteristics

Material: Low smoke, halogen free, rigid PVC

Temperature range: -25°C~+80°C,

Flam-retardant: UL94-V0

Properties: Easy to install does not fall off at any angle; Easy wiring harness longitudinal arrangement; Bottom hole to diversity the design, suitable for cable wiring, section appearance.



WDB Wiring duct



### Certification and Characteristics

Material: Low smoke, halogen free, rigid PVC

Temperature range: -40°C~+80°C

Flam-retardant: UL94-V0

Properties: Protect from dust and rat bite, has railway department and command RoHS satisfy.



WDL Wiring duct



### Certification and Characteristics

Material: Low smoke, halogen free, rigid PVC

Temperature range: -25°C~+80°C

Flam-retardant: UL94-V0

Properties: Easy to install does not fall off at any angle; Easy wiring harness longitudinal arrangement; Bottom hole to diversity the design, suitable for cable wiring, section appearance.

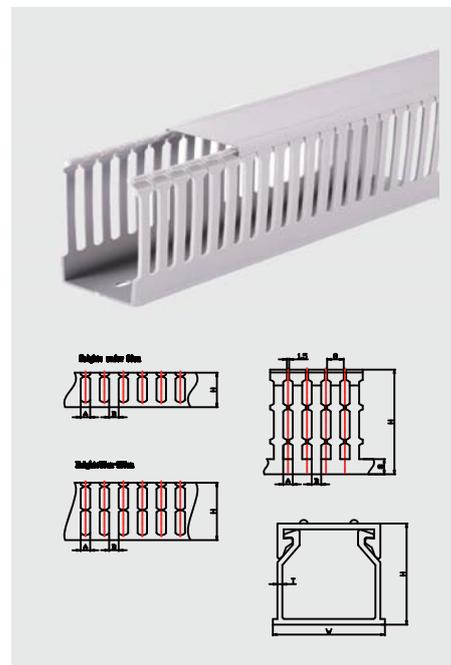


# 65/66

## Halogen free & Low smoke duct



H (mm)	W (mm)	WDLK Series(A-Bmm)			WDLX Series(A-Bmm)		Packing (m/box)	
		Part no.	6-8	8-12	10-12	Part no.		4-6
	20					WDLX3020	•	100
30	25					WDLX3025	•	100
	35					WDLX3035	•	100
35	35					WDLX3535	•	100
40	25	WDLK4025	•			WDLX4025	•	100
	40	WDLK4040	•			WDLX4040	•	80
	60	WDLK4060	•			WDLX4060	•	64
50	25	WDLK5025	•			WDLX5025	•	100
	35	WDLK5035	•			WDLX5035	•	100
	*45	WDLK5045	•			WDLX5045	•	80
	50	WDLK5050	•			WDLX5050	•	80
	60	WDLK5060	•			WDLX5060	•	64
60	80	WDLK5080	•			WDLX5080	•	48
	25	WDLK6025	•			WDLX6025	•	80
	40	WDLK6040	•			WDLX6040	•	64
	60	WDLK6060	•			WDLX6060	•	48
65	80	WDLK6080	•			WDLX6080	•	36
	33	WDLK6533	•			WDLX6533	•	80
	45	WDLK6545	•			WDLX6545	•	80
80	65	WDLK6565	•			WDLX6565	•	48
	25	WDLK8025		•		WDLX8025	•	60
	35	WDLK8035		•		WDLX8035	•	60
	40	WDLK8040		•		WDLX8040	•	48
	45	WDLK8045		•		WDLX8045	•	48
	50	WDLK8050		•		WDLX8050	•	48
	60	WDLK8060		•		WDLX8060	•	36
	80	WDLK8080		•		WDLX8080	•	36
100	100	WDLK80100		•		WDLX80100	•	24
	120	WDLK80120		•		WDLX80120	•	24
	35	WDLK10035			•	WDLX10035	•	48
	40	WDLK10040			•	WDLX10040	•	48
	50	WDLK10050			•	WDLX10050	•	48
	60	WDLK10060			•	WDLX10060	•	36
120	80	WDLK10080			•	WDLX10080	•	24
	100	WDLK100100			•	WDLX100100	•	24
	120	WDLK100120			•	WDLX100120	•	24



Material: PC+ABS, halogen free, low smoke, RoHS compliant. Insulating material, electrical safety, fire safety.

Colour: Grey

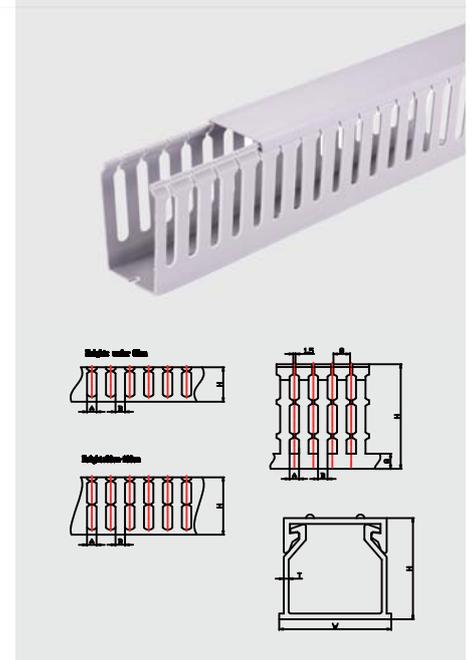
Temperature range: -40°C~+90°C  
Flam-retardant: UL94-V0

Properties: Consist of base and cover, easy and firm snap-on assembly, smooth joining for a better finish. With aligned slot, smooth corners and edges will not damage or disfigure wires. All sides and versatile mounting holes, easy to install and disassembly. Special mark line design on the cover can allow a quick tag of relevant components.

## Non-slip duct



H (mm)	W (mm)	WDNK Series(A-Bmm)			WDNX Series(A-Bmm)		Packing (m/box)	
		Part no.	6-8	8-10	10-10	Part no.		4-6
	20					WDNX-3020	•	100
30	25					WDNX-3025	•	100
	35					WDNX-3035	•	100
35	35					WDNX-3535	•	100
40	25	WDNK-4025	•			WDNX-4025	•	100
	40	WDNK-4040	•			WDNX-4040	•	80
	60	WDNK-4060	•			WDNX-4060	•	64
50	25	WDNK-5025	•			WDNX-5025	•	100
	35	WDNK-5035	•			WDNX-5035	•	100
	*45	WDNK-5045	•			WDNX-5045	•	80
	50	WDNK-5050	•			WDNX-5050	•	80
	60	WDNK-5060	•			WDNX-5060	•	64
60	80	WDNK-5080	•			WDNX-5080	•	48
	25	WDNK-6025	•			WDNX-6025	•	80
	40	WDNK-6040	•			WDNX-6040	•	64
	60	WDNK-6060	•			WDNX-6060	•	48
65	80	WDNK-6080	•			WDNX-6080	•	36
	33	WDNK-6533	•			WDNX-6533	•	80
	45	WDNK-6545	•			WDNX-6545	•	80
80	65	WDNK-6565	•			WDNX-6565	•	48
	25	WDNK-8025		•		WDNX-8025	•	60
	35	WDNK-8035		•		WDNX-8035	•	60
	40	WDNK-8040		•		WDNX-8040	•	48
	45	WDNK-8045		•		WDNX-8045	•	48
	50	WDNK-8050		•		WDNX-8050	•	48
	60	WDNK-8060		•		WDNX-8060	•	36
	80	WDNK-8080		•		WDNX-8080	•	36
	100	WDNK-80100		•		WDNX-80100	•	24
	120	WDNK-80120		•		WDNX-80120	•	24
100	35	WDNK-10035		•		WDNX-10035	•	48
	40	WDNK-10040		•		WDNX-10040	•	48
	50	WDNK-10050		•		WDNX-10050	•	48
	60	WDNK-10060		•		WDNX-10060	•	36
	80	WDNK-10080		•		WDNX-10080	•	24
	100	WDNK-100100		•		WDNX-100100	•	24
	120	WDNK-100120		•		WDNX-100120	•	24



Material: Manufactured with High quality rigid PVC,RoHS compliant.

Colour: Grey(White, Blue and Black colors are available)

Temperature range: -20°C~+80°C

Flam-retardant: UL94-V0

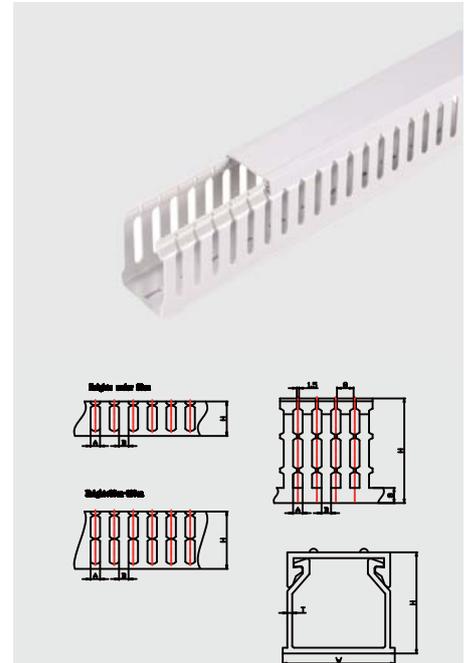
Properties: The inner side of the cover plate of the co-extruded non-slip design, easy to install, does not fall off at any angle.Side of the tooth ateral teeth arranged in spaced, easy wiring harness longitudinal arrangement, neat appearance.Bottom hole to diversify the design, easy to install, square side hole, suitable for cable wiring, section appearance.

# 67/68

## WDPK/X Wiring duct



H (mm)	W (mm)	WDPK Series(A-Bmm)			WDPX Series(A-Bmm)		Packing (m/box)	
		Part no.	6-8	8-10	10-10	Part no.		4-6
	20					WDPX-3020	•	100
30	25					WDPX-3025	•	100
	35					WDPX-3035	•	100
35	35					WDPX-3535	•	100
	25	WDPK-4025	•			WDPX-4025	•	100
40	40	WDPK-4040	•			WDPX-4040	•	80
	60	WDPK-4060	•			WDPX-4060	•	64
	25	WDPK-5025	•			WDPX-5025	•	100
	35	WDPK-5035	•			WDPX-5035	•	100
50	*45	WDPK-5045	•			WDPX-5045	•	80
	50	WDPK-5050	•			WDPX-5050	•	80
	60	WDPK-5060	•			WDPX-5060	•	64
	80	WDPK-5080	•			WDPX-5080	•	48
	25	WDPK-6025		•		WDPX-6025	•	80
60	40	WDPK-6040		•		WDPX-6040	•	64
	60	WDPK-6060		•		WDPX-6060	•	48
	80	WDPK-6080		•		WDPX-6080	•	36
	33	WDPK-6533		•		WDPX-6533	•	80
65	45	WDPK-6545		•		WDPX-6545	•	80
	65	WDPK-6565		•		WDPX-6565	•	48
	25	WDPK-8025		•		WDPX-8025	•	60
	35	WDPK-8035		•		WDPX-8035	•	60
	40	WDPK-8040		•		WDPX-8040	•	48
	45	WDPK-8045		•		WDPX-8045	•	48
80	50	WDPK-8050		•		WDPX-8050	•	48
	60	WDPK-8060		•		WDPX-8060	•	36
	80	WDPK-8080		•		WDPX-8080	•	36
	100	WDPK-80100		•		WDPX-80100	•	24
	120	WDPK-80120		•		WDPX-80120	•	24
	35	WDPK-10035		•		WDPX-10035	•	48
	40	WDPK-10040		•		WDPX-10040	•	48
	50	WDPK-10050		•		WDPX-10050	•	48
100	60	WDPK-10060		•		WDPX-10060	•	36
	80	WDPK-10080		•		WDPX-10080	•	24
	100	WDPK-100100		•		WDPX-100100	•	24
	120	WDPK-100120		•		WDPX-100120	•	24
130	100	WDPK-130100		•		WDPX-130100		12
150	100	WDPK-150100		•		WDPX-150100		12



Material: Low smoke, halogen free, rigid PVC

Colour: Grey(White, Blue and Black colors are available)

Temperature range: -20°C~+70°C

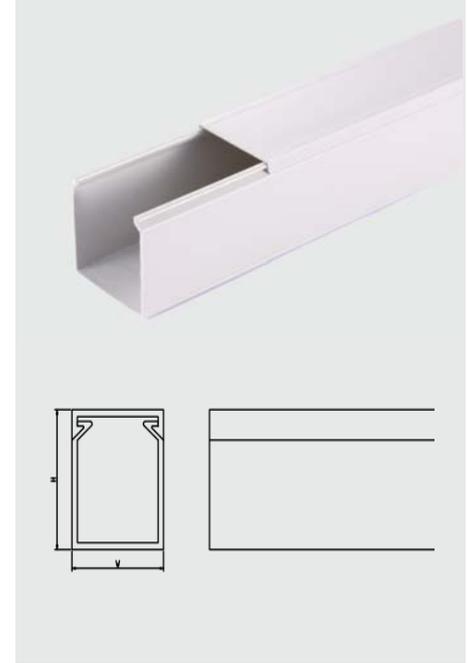
Flam-retardant: UL94-V0

Properties: Reasonable design in cover and body makes the duct durable, smooth connection protects hands and wires. Duct can keep its original state in 70° degree. Complete accessibility and easiest method of inserting or removing wires. It is easy to install and remove.

## WDB Wiring Duct



H (mm)	W (mm)	Part no.	Packing (m/box)
25	25	WDB-2525	100
30	20	WDB-3020	100
	25	WDB-3025	100
	30	WDB-3030	100
	35	WDB-3035	100
35	35	WDB-3535	100
40	25	WDB-4025	100
	40	WDB-4040	80
	60	WDB-4060	64
50	25	WDB-5025	100
	35	WDB-5035	100
	45	WDB-5045	80
	50	WDB-5050	80
	60	WDB-5060	64
	80	WDB-5080	48
60	40	WDB-6040	64
	60	WDB-6060	48
	80	WDB-6080	36
65	33	WDB-6533	80
	45	WDB-6545	80
	65	WDB-6565	48
80	25	WDB-8025	60
	35	WDB-8035	60
	40	WDB-8040	48
	45	WDB-8045	48
	50	WDB-8050	48
	60	WDB-8060	36
	80	WDB-8080	36
	100	WDB-80100	24
100	120	WDB-80120	24
	35	WDB-10035	48
	40	WDB-10040	48
	50	WDB-10050	48
	60	WDB-10060	36
	80	WDB-10080	24
	100	WDB-100100	24
130	120	WDB-100120	24
	140	WDB-100140	24
	100	WDB-130100	24
150	100	WDB-150100	16



Material: Hard PVC, Insulation

Colour: Grey(White, Blue and Black colors are available)

Temperature range: -40°C~+70°C

Flam-retardant: UL94-V0

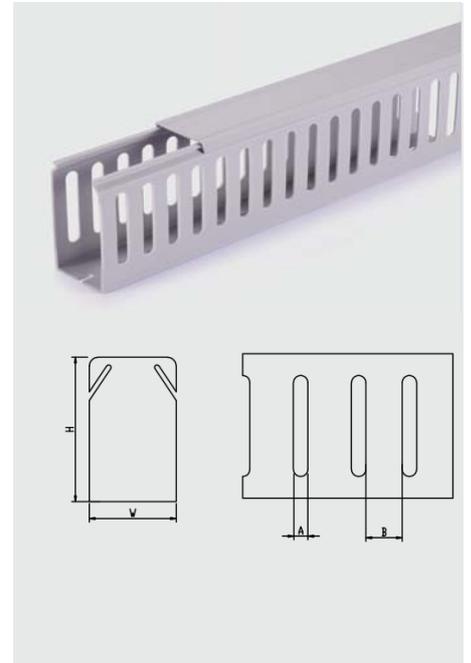
Properties: Protect from dust and rat bite, has railway department and UL approval, command (RoHS) satisfy.

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## WDL Wiring duct



H (mm)	W (mm)	Part no.	( A-Bmm)				Packing (m/box)
			6-6	8-8	8-10	10-10	
40	40	WDL-4040	•				80
	60	WDL-4060	•				64
50	25	WDL-5025	•				100
	35	WDL-5035	•				100
	*45	WDL-5045	•				80
	50	WDL-5050	•				80
	60	WDL-5060	•				64
	80	WDL-5080	•				48
60	25	WDL-6025		•			80
	40	WDL-6040		•			64
	60	WDL-6060		•			48
	80	WDL-6080		•			36
65	33	WDL-6533		•			80
	45	WDL-6545		•			80
	65	WDL-6565		•			48
80	25	WDL-8025			•		60
	35	WDL-8035			•		60
	40	WDL-8040			•		48
	45	WDL-8045			•		48
	50	WDL-8050			•		48
	60	WDL-8060			•		36
	80	WDL-8080			•		36
	100	WDL-80100			•		24
	120	WDL-80120			•		24
	100	35	WDL-10035				•
40		WDL-10040				•	48
50		WDL-10050				•	48
60		WDL-10060				•	36
80		WDL-10080				•	24
100		WDL-100100				•	24
120		WDL-100120				•	24
130	100	WDL-130120				•	12
150	100	WDL-150120				•	12



Material: Low smoke, halogen free, rigid PVC

Colour: Grey(White, Blue and Black colors are available)

Temperature range: -25°C~+70°C

Flam-retardant: UL94-V0

Properties: Reasonable design in cover and body makes the duct durable, smooth connection protects hands and wires. Duct can keep its original state in 70° degree. Complete accessibility and easiest method of inserting or removing wires. It is easy to install and remove.



## Others

Realinkage offer complete and professional solution for customers in electric protection aspect. Besides conduit and fitting, there are many other auxiliary products like cable grand, braided sleeve, heat-shrinkable tube, fire-resisting sleeves, switch box, wiring duct, wire-splint and so on.

### Cable Gland



#### Certification and Characteristics



Cable gland is available in material of nylon and metal and color in black and grey, including M and PG , thread. According to different condition, cable gland with multicore, electromagnetic shielding or double locked are available for customers' choice.

### Braided Sleeving



#### Certification and Characteristics



There are a range of materials of braided sleeves including PVC, Nylon 6, Nylon 66, polyester and so on. Customers could choose self-closing wrap, spiral wrap, zipper multifilament wrap, button wrap, velcro , shielding wrap and other braided sleeves according to the application condition. All these products have passed CE, UL Test, RoHS, DIN5510 and other certifications.

### Plastic Enclosure



#### Certification and Characteristics



Switch box is composed of lid, box body, terminals and connectors. It can strengthen the security, property of component and make it easier to use. Realinkage switch box cover has the advantage of anti-aging and UV resistance, which could be used in the bad weather condition outside. Locking function make the connection easier and more solid. Its waterproof design and insulation protection offer better security property.

### Wiresplint



#### Induction

Wiresplint is consisted of body and end. It is used to fix the nylon flexible conduit, cable and steel conduit. According to different application environments, customers can choose opening hole in one side or both sides, or not open holes and use them by combination or separation.

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## Nylon Cable Gland

Body Material: Nylon 66

Sealing Material: NBR

Colour: Black(BL)/Grey(GR)

Temperature range: -40°C ~ +100°C , short-term to 120°C

Protection Degree: IP68(Using O-sealing)

Properties: Halogen free, it can clamp the cable effectively and reach waterproof degree.



### METRIC THREAD

Thread	Part no.(BL)	Part no.(GR)	A	B	C	Packing (pcs)
M12X1.5	HSK-M12B	HSK-M12G	3-6.5	8.0	15.0	100
M16X1.5	HSK-M16B	HSK-M16G	4-8	8.0	19.0	100
M18X1.5	HSK-M18B	HSK-M18G	5-10	8.0	22.0	100
M20X1.5	HSK-M20B	HSK-M20G	6-12	10.0	24.0	100
M22X1.5	HSK-M22B	HSK-M22G	10-14	10.0	27.0	50
M24X1.5	HSK-M24B	HSK-M24G	10-14	10.0	27.0	50
M25X1.5	HSK-M25B	HSK-M25G	13-18	11.0	33.0	25
M27X2.0	HSK-M27B	HSK-M27G	13-18	11.0	33.0	25
M30X2.0	HSK-M30B	HSK-M30G	13-18	11.0	33.0	25
M32X1.5	HSK-M32B	HSK-M32G	18-25	11.0	42.0	20
M36X2.0	HSK-M36B	HSK-M36G	18-25	11.0	42.0	20
M40X1.5	HSK-M40B	HSK-M40G	22-32	13.0	52.0	10
M50X1.5	HSK-M50B	HSK-M50G	32-38	15.0	60.0	5
M56X2.0	HSK-M56B	HSK-M56G	30-38	15.0	60.0	5
M60X2.0	HSK-M56B	HSK-M56G	37-44	15.0	65.0	5
M63X1.5	HSK-M63B	HSK-M63G	37-44	15.0	65.0	5
M64X2.0	HSK-M64B	HSK-M64G	37-44	15.0	65.0	5
M72X2.0	HSK-M72B	HSK-M72G	51-57	16.0	86.0	5

### PG THREAD

Thread	Part no.(BL)	Part no.(GR)	A	B	C	Packing (pcs)
PG7	HSK-PG7B	HSK-PG7G	3-6.5	8.5	15.0	100
PG9	HSK-PG9B	HSK-PG9G	4-8	8.0	19.0	100
PG11	HSK-PG11B	HSK-PG11G	5-10	8.5	22.0	100
PG13.5	HSK-PG13.5B	HSK-PG13.5G	6-12	10	24.0	100
PG16	HSK-PG16B	HSK-PG16G	10-14	10.0	27.0	50
PG21	HSK-PG21B	HSK-PG21G	13-18	11.0	33.0	25
PG29	HSK-PG29B	HSK-PG29G	18-25	11.0	42.0	20
PG36	HSK-PG36B	HSK-PG36G	22-32	13.0	52.0	10
PG42	HSK-PG42B	HSK-PG42G	30-38	14.0	60.0	5
PG48	HSK-PG48B	HSK-PG48G	37-44	14.0	65.0	5

## Nylon cable gland with multi-core

Body Material: Nylon 66

Sealing Material: NBR

Colour: Black(BL)/Grey(GR)

Temperature range: -40°C ~ +100°C , short-term to 120°C

Protection Degree: IP68(Using O-sealing)



### METRIC THREAD

Thread	Part no.	Clamping range	GL	Dimension AG	SW	Packing (pcs)
M16X1.5	HSK-M16(2X3)	2XØ3	6.0	16.0	17.0	50
M20X1.5	HSK-M20(6X3)	6XØ3	7.0	20.0	22.0	50
M20X1.5	HSK-M20(2X5)	2XØ5	7.0	20.0	22.0	50
M25X1.5	HSK-M25(2X7)	2XØ7	8.0	25.0	30.0	25
M25X1.5	HSK-M25(4X6)	4XØ6	7.0	25.0	30.0	25
M25X1.5	HSK-M25(3X7)	3XØ7	7.0	25.0	30.0	25
M25X1.5	HSK-M25(2X8)	2XØ8	7.0	25.0	30.0	25
M32X1.5	HSK-M32(4X9)	4XØ9	8.0	32.0	40.0	25
M40X1.5	HSK-M40(5X9)	5XØ9	9.0	40.0	50.0	20
M40X1.5	HSK-M40(2X15)	2XØ15	9.0	40.0	50.0	20

### PG THREAD

Thread	Part no.	Clamping range	GL	Dimension AG	SW	Packing (pcs)
PG9	HSK-PG9(2X3)	2XØ3	6.0	15.2	17.0	50
PG21	HSK-PG21(4X6)	4XØ6	7.0	28.3	30.0	50
PG21	HSK-PG21(3X7)	3XØ7	7.0	28.3	30.0	50
PG21	HSK-PG21(2X6)	2XØ6	9.0	28.3	30.0	50
PG21	HSK-PG21(2X7)	2XØ7	8.0	28.3	30.0	50
PG21	HSK-PG21(2X8)	2XØ8	7.0	28.3	30.0	25
PG29	HSK-PG29(4X9)	4XØ9	8.0	37.0	40.0	20
PG36	HSK-PG36(5X9)	5XØ9	9.0	47.0	50.0	10

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## Metal Cable Gland

Body Material: Nickel-plated brass

Sealing Material: Nylon 66 and NBR

Temperature range: -40°C ~ +100°C , short-term to 120°C

Protection Degree: IP68(Using O-sealing)



### METRIC THREAD

Thread	Part no.	Clamping range ( mm )	Dimension		Packing (pcs)
			A	B	
M12X1.5	HSM-M12	3-6.5	6.0	14.0	50
M16X1.5	HSM-M16	4-8	7.5	18.0	50
M16X1.5	HSM-M16	5-10	6.0	20.0	50
M18X1.5	HSM-M18	5-10	7.5	20.0	50
M20X1.5	HSM-M20	6-12	8.0	22.0	50
M20X1.5	HSM-M20	8-14	8.0	24.0	50
M22X1.5	HSM-M22	8-14	8.0	24.0	50
M24X1.5	HSM-M24	10-14	8.0	27.0	50
M25X1.5	HSM-M25	10-16	8.0	27.0	25
M25X1.5	HSM-M25	13-18	8.0	30.0	25
M27X2.0	HSM-M27	13-18	8.0	30.0	25
M30X1.5	HSM-M30	13-18	11.0	35.0	25
M32X1.5	HSM-M32	15-22	9.0	35.0	20
M32X1.5	HSM-M32	18-25	8.0	40.0	20
M36X2.0	HSM-M36	18-25	12.0	40.0	20
M40X1.5	HSM-M40	22-32	12.0	50.0	20
M48X2.0	HSM-M48	22-32	12.0	50.0	20
M50X1.5	HSM-M50	32-38	12.0	57.0	10
M63X.15	HSM-M63	37-44	12.0	65.0	5

### PG THREAD

Thread	Part no.	Clamping range (mm)	Dimension		Packing (pcs)
			A	B	
PG9	HSM-PG9	4-8	7.0	17.0	50
PG11	HSM-PG11	5-10	7.0	20.0	50
PG16	HSM-PG16	10-14	7.3	24.0	50
PG21	HSM-PG21	13-18	8.5	30.0	25
PG29	HSM-PG29	18-25	9.3	40.0	20
PG36	HSM-PG36	22-32	12.0	50.0	20
PG48	HSM-PG48	37-44	12.0	65.0	10

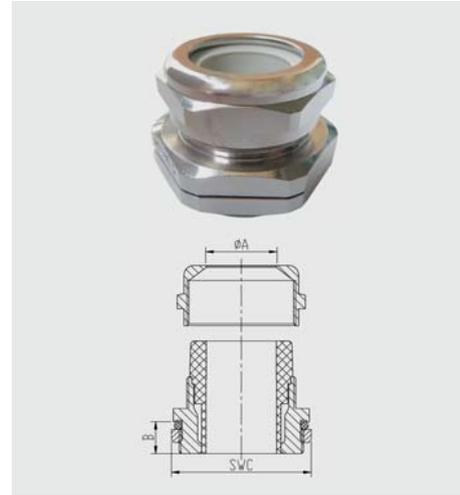
## P Series Cable Gland

Body Material: Nickel-plated brass

Sealing Material: Nylon 66 and NBR

Temperature range: -40°C ~ +100°C , short-term to 120°C

Protection Degree: IP68(Using O-sealing)



### METRIC THREAD

Thread	Part no.	Clamping range (mm)	Thread length (mm)	SW1XE1/SW2XE2 (mm)	Packing (pcs)
M10X1.0	HSM-P-M10	4.0-6.5	5.0	14X15.5	50
M16X1.5	HSM-P-M16	4.0-6.5 5.0-8.0 6.5-9.5	6.0	19X21 / 17X18.9	50
M20X1.5	HSM-P-M20	4.0-6.5 5.0-8.0 6.5-9.5 7.0-10.5	6.0	22X24.4	50
M20X1.5	HSM-P-M20	4.0-6.5 5.0-8.0 6.5-9.5 7.0-10.5 9.0-13.0	6.5	22X24.4	50
M25X1.5	HSM-P-M25	4.0-6.5 5.0-8.0 6.5-9.5 7.0-10.5 9.0-13.0 11.5-15.5	6.5	27X30.4 / 24X26.7	25
M32X1.5	HSM-P-M32	7.0-10.5 9.0-13.0 11.5-15.5 14.0-18.0 17.0-20.5	7.0	36X39.6 / 30X33.5	20
M40X1.5	HSM-P-M40	11.5-15.5 14.0-18.0 17.0-20.5 20.0-25.0 24.0-28.0	8.0	46X51 / 41X45	20
M50X1.5	HSM-P-M50	27.0-32.0 29.0-34.0 32.0-36.0	9.0	55X60.5 / 50X53.5	10
M50X1.5	HSM-P-M50	36.0-40.0	10.0	60X64.5	10
M63X1.5	HSM-P-M63	39.0-44.0	10.0	68X74 / 64X69	5

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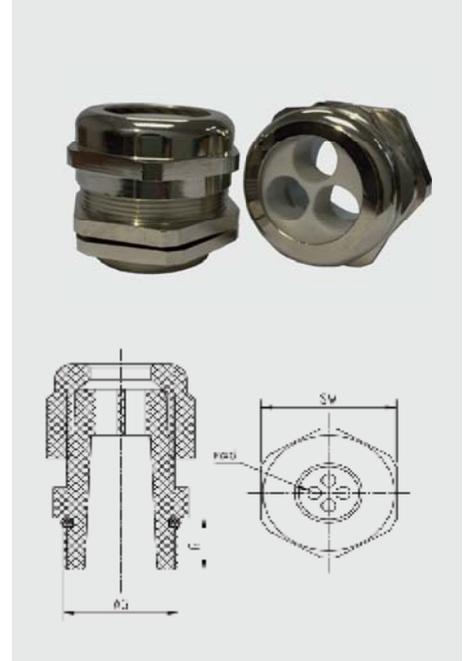
## Metal Cable Gland with Multi-core

Body Material: Nickel-plated brass

Sealing Material: Nylon 66 and NBR

Temperature range: -40°C ~ +100°C , short-term to 120°C

Protection Degree: IP65



### METRIC THREAD

Thread	Part no.	Clamping range	GL	Dimension AG	SW	Packing (pcs)
M16X1.5	HSM-M16(2X3)	2XØ3	6.0	16.0	17.0	50
M20X1.5	HSM-M20(6X3)	6XØ3	7.0	20.0	22.0	50
M20X1.5	HSM-M20(2X5)	2XØ5	7.0	20.0	22.0	50
M25X1.5	HSM-M25(2X7)	2XØ7	8.0	25.0	30.0	25
M25X1.5	HSM-M25(4X6)	4XØ6	7.0	25.0	30.0	25
M25X1.5	HSM-M25(3X7)	3XØ7	7.0	25.0	30.0	25
M25X1.5	HSM-M25(2X8)	2XØ8	7.0	25.0	30.0	25
M32X1.5	HSM-M32(4X9)	4XØ9	8.0	32.0	40.0	25
M40X1.5	HSM-M40(5X9)	5XØ9	9.0	40.0	50.0	20
M40X1.5	HSM-M40(2X15)	2XØ15	9.0	40.0	50.0	20

### PG THREAD

Thread	Part no.	Clamping range	GL	Dimension AG	SW	Packing (pcs)
PG9	HSM-PG9(2X3)	2XØ3	6.0	15.2	17.0	50
PG21	HSM-PG21(4X6)	4XØ6	7.0	28.3	30.0	50
PG21	HSM-PG21(3X7)	3XØ7	7.0	28.3	30.0	50
PG21	HSM-PG21(2X6)	2XØ6	9.0	28.3	30.0	50
PG21	HSM-PG21(2X7)	2XØ7	8.0	28.3	30.0	50
PG21	HSM-PG21(2X8)	2XØ8	7.0	28.3	30.0	25
PG29	HSM-PG29(4X9)	4XØ9	8.0	37.0	40.0	20
PG36	HSM-PG36(5X9)	5XØ9	9.0	47.0	50.0	10

## EMV Metal Cable Gland

Body Material: Nickel-plated brass

Sealing Material: Nylon 66 and NBR

Temperature range: -40°C ~ +100°C , short-term to 120°C

Protection Degree: IP68(Using O-sealing)



### METRIC THREAD

Thread	Part no.	Clamping range	GL	Dimension AG	SW	Packing ( pcs)
M12X1.5	HSM-EMV-M12(3-6.5)	3-6.5	5.0	12.0	14.0	50
M16X1.5	HSM-EMV-M16(4-8)	4-8	6.0	16.0	18.0	50
M18X1.5	HSM-EMV-M18(5-10)	5-10	6.0	18.0	20.0	50
M20X1.5	HSM-EMV-M20(6-12)	6-12	7.0	20.0	22.0	50
M24X1.5	HSM-EMV-M24(8-14)	8-14	7.0	24.0	27.0	25
M25X1.5	HSM-EMV-M25(10-16)	10-16	12.0	25.0	27.0	25
M25X1.5	HSM-EMV-M25(13-18)	13-18	13.0	25.0	27.0	25
M30X1.5	HSM-EMV-M30(13-18)	13-18	8.0	30.0	35.0	25
M32X1.5	HSM-EMV-M32(15-22)	15-22	13.0	32.0	35.0	20
M32X1.5	HSM-EMV-M32(18-25)	18-25	13.0	32.0	40.0	20
M36X2.0	HSM-EMV-M36(18-25)	18-25	8.0	36.0	40.0	20
M40X1.5	HSM-EMV-M40(21-30)	21-30	9.0	40.0	50.0	20
M40X1.5	HSM-EMV-M40(22-32)	22-32	9.0	40.0	50.0	20
M48X2.0	HSM-EMV-M48(22-32)	22-32	9.0	48.0	50.0	20
M50X1.5	HSM-EMV-M50(30-38)	30-38	9.0	50.0	57.0	10
M56X1.5	HSM-EMV-M56(30-38)	30-38	9.0	50.0	57.0	10
M63X1.5	HSM-EMV-M63(37-44)	37-44	10.0	63.0	65.0	5

### PG THREAD

Thread	Part no.	Clamping range	GL	Dimension AG	SW	Packing ( pcs)
PG7	HSM-EMV-PG7(3-6.5)	3-6.5	5.0	12.5	14.0	50
PG9	HSM-EMV-PG9(4-8)	4-8	6.0	15.2	18.0	50
PG11	HSM-EMV-PG11(5-10)	5-10	6.0	18.6	20.0	50
PG13.5	HSM-EMV-PG13.5(6-12)	6-12	7.0	20.4	24.0	50
PG16	HSM-EMV-PG16(8-14)	8-14	7.0	22.5	24.0	25
PG21	HSM-EMV-PG21(13-18)	13-18	8.0	28.3	30.0	25
PG29	HSM-EMV-PG29(18-25)	18-25	8.0	37.0	40.0	20
PG36	HSM-EMV-PG36(22-32)	22-32	9.0	47.0	50.0	20
PG42	HSM-EMV-PG42(30-38)	30-38	9.0	54.0	60.0	10

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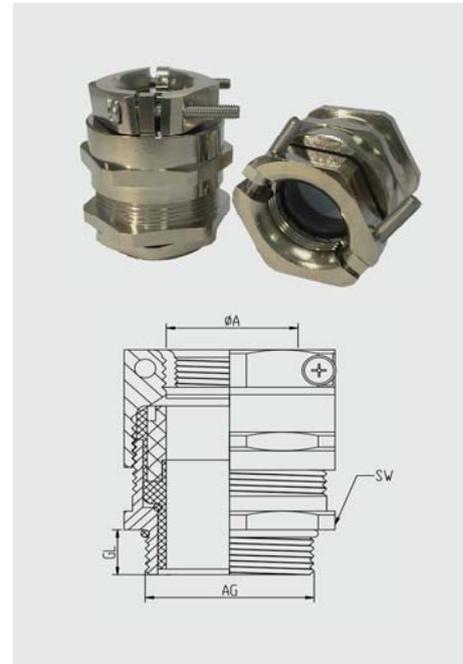
## Double Lock Metal Cable Gland

Body Material: Nickel-plated brass

Sealing Material: Nylon 66

Temperature range: -40°C ~ +100°C , short-term to 120°C

Protection Degree: IP68(Using O-sealing)



### METRIC THREAD

Thread	Part no.	Clamping range	GL	Dimension AG	SW	Packing (pcs)
M16X1.5	HSM-DL-M16(4-8)	4-8	7.0	16.0	18.0	50
M16X1.5	HSM-DL-M16(4-8)	5-10	7.0	16.0	20.0	50
M20X1.5	HSM-DL-M20(6-12)	6-12	7.5	20.0	22.0	50
M25X1.5	HSM-DL-M25(10-16)	10-16	8.0	25.0	27.0	25
M25X1.5	HSM-DL-M25(13-18)	13-18	8.0	25.0	30.0	25
M32X1.5	HSM-DL-M32(16-22)	16-22	8.5	32.0	35.0	20
M32X1.5	HSM-DL-M32(18-25)	18-25	8.5	32.0	40.0	20
M40X1.5	HSM-DL-M40(22-32)	22-32	12.0	40.0	50.0	20
M50X1.5	HSM-DL-M50(32-38)	32-38	12.0	50.0	57.0	10

### PG THREAD

Thread	Part no.	Clamping range	GL	Dimension AG	SW	Packing (pcs)
PG9	HSM-DL-PG9(4-8)	4-8	7.0	15.2	18.0	50
PG11	HSM-DL-PG11(5-10)	5-10	7.0	18.6	22.0	50
PG13.5	HSM-DL-PG13.5(6-12)	6-12	8.0	20.4	24.0	50
PG16	HSM-DL-PG16(10-14)	10-14	7.5	22.5	27.0	50
PG21	HSM-DL-PG21(13-18)	13-18	8.0	28.3	30.0	20
PG29	HSM-DL-PG29(18-25)	18-25	9.0	37.0	40.0	20
PG36	HSM-DL-PG36(22-32)	22-32	10.0	47.0	52.0	20
PG42	HSM-DL-PG42(32-38)	32-38	11.0	54.0	59.0	10

## EMV Clamp type Cable Gland

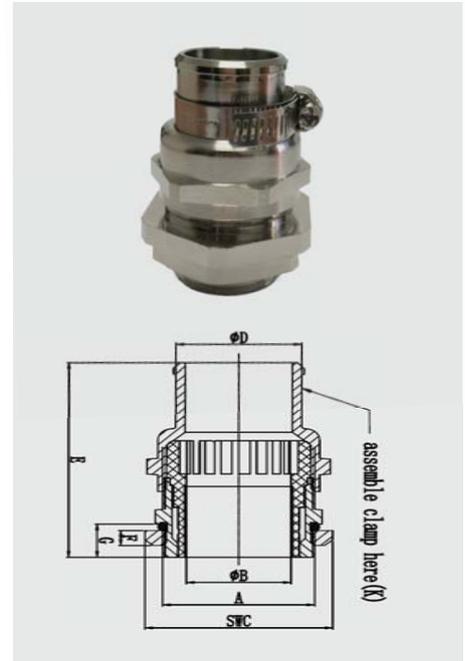


Material: Nickel-plated brass

Temperature range: -40°C ~ +100°C , short-term to 120°C

Protection Degree: IP68(Using O-sealing)

Properties: Resistant to EMI shielding free of halogen and cadmium, with excellent impact strength.



Part no.	A Thread	B	C	Dimension		F	G	K	Packing (pcs)
				D	E				
HSM-EMV-M12(3-6.5)/K	M12X1.5	6.5	14.0	10.0	37.0	2.7	6.0	K10-16	25
HSM-EMV-M16(4-8)/K	M16X1.5	8.0	20.0	12.0	40.0	3.0	7.0	K12-22	25
HSM-EMV-M16(5-10)/K	M16X1.5	10.0	20.0	13.5	40.0	3.0	7.0	K12-22	25
HSM-EMV-M20(6-12)/K	M20X1.5	12.0	22.0	15.5	43.0	3.0	8.0	K12-22	25
HSM-EMV-M20(8-14)/K	M20X1.5	14.0	22.0	17.3	42.3	3.0	8.0	K16-27	25
HSM-EMV-M25(10-16)/K	M25X1.5	16.0	27.0	19.0	44.3	3.2	8.0	K16-27	15
HSM-EMV-M25(13-18)/k	M25X1.5	18.0	30.0	21.3	50.9	3.5	8.0	K20-32	15
HSM-EMV-M32(15-22)/K	M32X1.5	22.0	36.0	26.5	52.8	4.0	9.0	K25-40	10
HSM-EMV-M32(18-25)/K	M32X1.5	25.0	40.0	29.5	56.6	4.5	8.0	K25-45	10
HSM-EMV-M40(18-25)/K	M40X1.5	25.0	45.0	29.5	58.9	4.5	9.0	K25-45	10
HSM-EMV-M40(22-32)/K	M40X1.5	32.0	50.0	36.2	67.6	4.5	12.0	K32-50	10
HSM-EMV-M50(32-38)/K	M50X1.5	38.0	57.0	43.5	68.7	5.0	12.0	K40-60	5
HSM-EMV-M63(37-44)/K	M63X1.5	44.0	70.0	49.0	69.3	5.5	12.0	K50-70	5

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## EMV End type Cable Gland



Material: Nickel-plated brass

Temperature range: -40°C ~ +100°C , short-term to 120°C

Protection Degree: IP68(Using O-sealing)

Properties: Resistant to EMI shielding free of halogen, and cadmium, with excellent impact strength.



Part no.	Dimension						Packing (pcs)
	A Thread	B	C	E	F		
HSM-M25-AJ(10-16)/EMV-AD-7	M25X1.5	7.0	3.2	14.8	27.0	25	
HSM-M25-AJ(10-16)/EMV-AD-12	M25X1.5	12.0	3.2	14.8	27.0	25	
HSM-M25-AJ(13-18)/EMV-AD-7	M25X1.5	7.0	3.2	14.8	30.0	25	
HSM-M25-AJ(13-18)/EMV-AD-12	M25X1.5	12.0	3.2	14.8	30.0	25	
HSM-M32-AJ(15-22)/EMV-AD-8	M32X1.5	8.0	4.0	21.8	35.0	20	
HSM-M32-AJ(15-22)/EMV-AD-13	M32X1.5	13.0	4.0	21.8	35.0	20	
HSM-M32-AJ(18-25)/EMV-AD-8	M32X1.5	8.0	4.0	21.8	40.0	20	
HSM-M32-AJ(18-25)/EMV-AD-13	M32X1.5	13.0	4.0	21.8	40.0	20	
HSM-M40-AJ(18-25)/EMV-AD-8	M40X1.5	8.0	4.5	29.8	45.0	20	
HSM-M40-AJ(18-25)/EMV-AD-13	M40X1.5	13.0	4.5	29.8	45.0	20	
HSM-M40-AJ(22-32)/EMV-AD-8	M40X1.5	8.0	4.5	29.8	50.0	20	
HSM-M40-AJ(22-32)/EMV-AD-13	M40X1.5	13.0	4.5	29.8	50.0	20	
HSM-M50-AJ(32-28)/EMV-AD-9	M50X1.5	9.0	5.0	39.8	57.0	10	
HSM-M50-AJ(32-38)/EMV-AD-14	M50X1.5	14.0	5.0	39.8	57.0	10	

## PET expansion sleeve

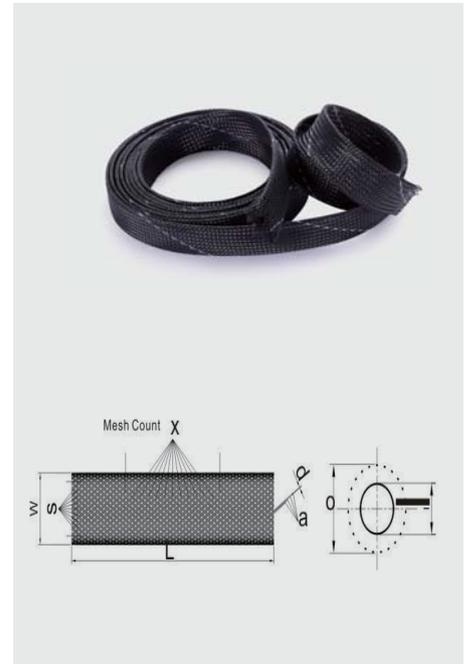
Material: Flame retardant PET

Temperature range: -50°C~+125°C

Melt point: 240±10°C

Flame- retardant: VW-1

Properties: Excellent flexibility, can be loosely, easy to lead wires, excellent contractility, elasticity and abrasive resistance



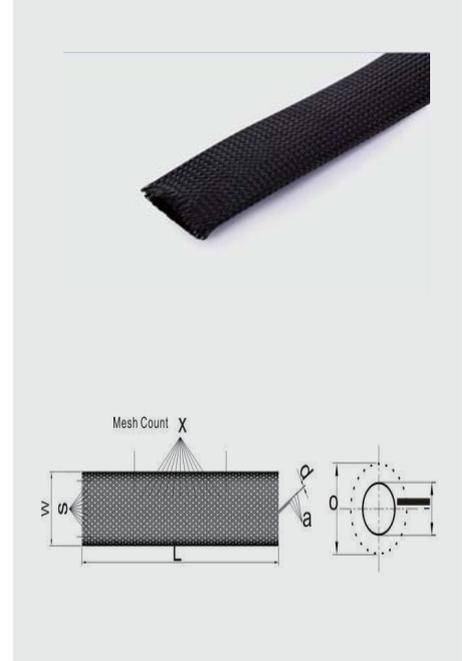
Part no.	Inch	Nominal Size mm	Expanded range		Packing (m/roll)
			Min. (mm)	Max. (mm)	
AD-E03	1/8"	3	1	6	500
AD-E06	1/4"	6	3	9	100
AD-E08	5/16"	8	5	16	100
AD-E10	3/8"	10	7	19	100
AD-E12	1/2"	12	8	24	100
AD-E16	5/8"	16	10	27	100
AD-E19	3/4"	19	14	30	100
AD-E25	1"	25	18	35	100
AD-E32	1 1/4"	32	20	50	100
AD-E38	1 1/2"	38	30	60	100
AD-E45	1 3/4"	45	35	75	100
AD-E50	2"	50	40	80	100
AD-E64	2 1/2"	64	45	105	100
AD-E76	3"	76	64	120	100

# 81/82

## Polyester high flame-retardant expandable sleeving

Material: Polyester Monofilament  
Colour: Black/Grey  
Temperature range: -50°C~+125°C  
Melt point: 240±10°C  
Flame- retardant: VW-1

Properties: AD-EF high flame-retardant braided expandable sleeving is manufactured from modified polyester monofilament which is up to the standard UL94-V0 not only provide excellent flame retardant properties but also has durable abrasion resistance.



Part no.	Nominal Size		Expanded range		Packing (m/roll)
	Inch	mm	Min. (mm)	Max. (mm)	
AD-EF-03	1/8"	3	1	6	1000
AD-EF-06	1/4"	6	3	9	500
AD-EF-08	5/16"	8	5	13	350
AD-EF-10	3/8"	10	7	16	350
AD-EF-12	1/2"	12	8	21	350
AD-EF-15	5/8"	15	10	25	250
AD-EF-20	3/4"	20	14	30	300
AD-EF-25	1"	25	18	35	200
AD-EF-30	1 1/4"	30	20	50	100
AD-EF-40	1 1/2"	40	25	55	100
AD-EF-45	1 3/4"	45	35	75	100
AD-EF-50	2"	50	40	80	100
AD-EF-64	2 1/2"	64	45	105	100
AD-EF-76	3"	76	64	120	100

## Nylon expandable sleeving

Material: Polyamide 66

Colour: Black/Grey

Temperature range: -60°C ~ +160°C

Melt point: 256±5°C

Properties: AD-PA nylon expandable sleeving of nylon 66 and offers excellent performance of abrasion resistance. It maintains a high degree of flexibility and it can resist to many chemical agents. Uniquely shaped monofilament provides smooth, soft, slick surface resisting snags when dragged over rough surface.



Part no.	Inch	Nominal Size mm	Expanded range		Packing (m/roll)
			Min. (mm)	Max. (mm)	
AD-PA-03	1/8"	3	1	6	1000
AD-PA-06	1/4"	6	3	9	500
AD-PA-08	5/16"	8	5	16	350
AD-PA-10	3/8"	10	7	19	350
AD-PA-12	1/2"	12	8	24	300
AD-PA-15	5/8"	15	10	27	250
AD-PA-20	3/4"	20	14	30	200
AD-PA-25	1"	25	18	35	200
AD-PA-30	1 1/4"	30	20	50	150
AD-PA-40	1 1/2"	40	30	60	100
AD-PA-45	1 3/4"	45	35	75	100
AD-PA-50	2"	50	40	80	100
AD-PA-64	2 1/2"	64	45	105	100
AD-PA-76	3"	76	64	120	100

# 83/84

## Nylon multifilament braided sleeving

Material: Polyamide 6

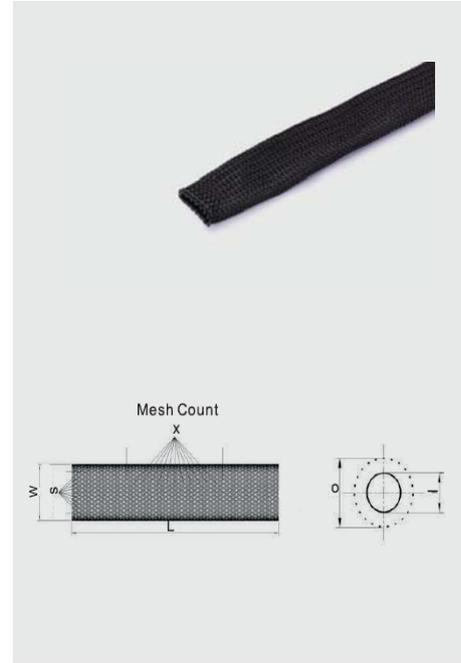
Colour: Black

Temperature range: -60°C~+125°C

Melt point: 245±5°C

Flame- retardant: VW-1

Properties: AD-EE is braided from tight woven nylon multifilament yarn, and it is a good system to protect and improve the appearance of wires and cables. It offers extremely flexible, high abrasion resistance and good resistance to acids and most alkalis.



Part no.	Nominal Size	Expanded range		Packing (m/roll)
		Min. (mm)	Max. (mm)	
AD-EE03	3	2	4	350
AD-EE06	6	4	7	350
AD-EE08	8	5	9	350
AD-EE10	10	6	11	350
AD-EE12	12	8	13	300
AD-EE16	16	10	17	250
AD-EE19	19	12	20	200
AD-EE23	23	15	24	200
AD-EE25	25	16	26	200
AD-EE32	32	20	33	150
AD-EE38	38	24	39	100
AD-EE50	50	32	51	100
AD-EE63	63	40	64	100

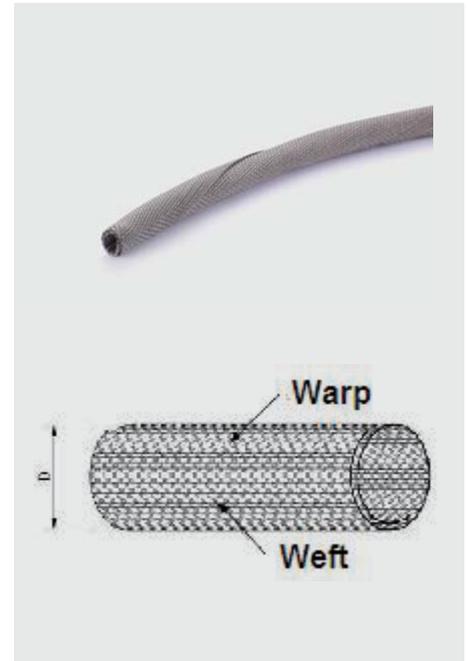
## Self-closing shielding sleeving

Material: Polyester + Tinned copper

Temperature range: -50°C~+125°C

Melt point: 240°C±10°C

Properties: Excellent EMI shielding, protection, lightweight and flexible, while its open design allows it to be installed on completed assemblies.



Part no.	Dia size (mm)	Expanded range (mm)	Packing (m/roll)
AD-SB-005	5.0	6.0	100
AD-SB-008	8.0	9.0	100
AD-SB-010	10.0	11.0	100
AD-SB-013	13.0	14.0	50
AD-SB-016	6.0	17.0	25
AD-SB-019	19.0	20.0	25
AD-SB-025	25.0	27.0	25
AD-SB-029	29.0	31.0	25
AD-SB-032	32.0	34.0	25
AD-SB-038	38.0	40.0	25

# 85/86

## Polyester monofilament

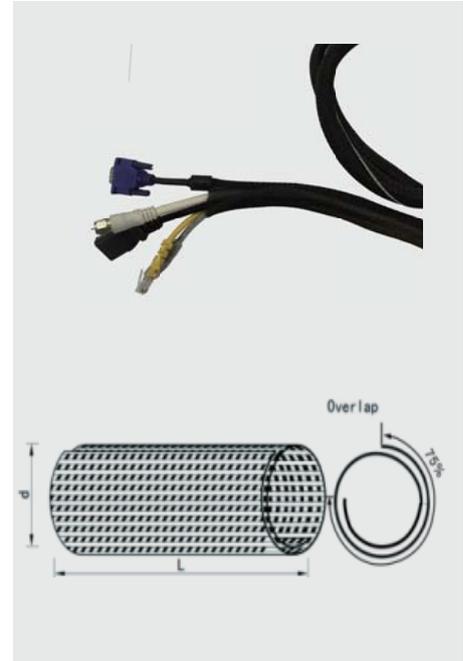
Material: Polyester

Colour: Black

Temperature range: -50°C~+150°C

Melt point: 240±10°C

Properties: AD-B self-closing wrap is a non-expandable sleeving woven from monofilament (weft) polyester yarns. It provides a lightweight, cost-effective and tough solution for the protection of a wide range of components. Its inherent flexibility allows it to bend, coil and conform to irregular shapes, while its open design allows it to be installed on completed assemblies.



Part no.	Inside diameter I.D (mm)	Overlap (%)	Max. bundle Dia. (mm)	Packing (m/roll)
AD-B-05	5	75	6	100
AD-B-08	8	75	9	100
AD-B-13	13	75	14	50
AD-B-19	19	75	20	25
AD-B-25	25	75	26	25
AD-B-29	29	75	30	25
AD-B-38	38	75	40	25

## Self-closing wrap



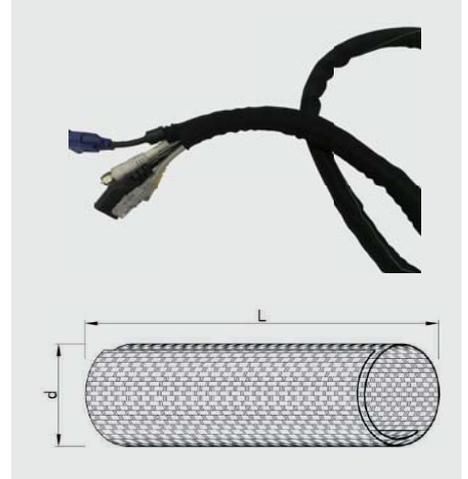
Material: Polyester monofilament and multifilament

Colour: Black

Temperature range: -50°C~ +150°C

Melt point: 240±10°C

Properties: AD-F self-closing wrap is a non-expandable sleeving woven from monofilament (weft) and multifilament (warp) polyester yarns. It provides a lightweight, cost-effective and tough solution for the protection of a wide range of components. Its inherent flexibility allows it to bend, coil and conform to irregular shapes, while its open design allows it to be installed on completed assemblies.



Part no.	Inside diameter I.D (mm)	Max. bundle Dia. (mm)	Packing (m/roll)
AD-F-05	5.0	6.0	100
AD-F-08	8.0	9.0	100
AD-F-10	10.0	11.0	100
AD-F-13	13.0	14.0	50
AD-F-16	16.0	17.0	50
AD-F-19	19.0	20.0	25
AD-F-25	25.0	27.0	25
AD-F-29	29.0	31.0	25
AD-F-32	32.0	34.0	25
AD-F-38	38.0	40.0	25
AD-F-50	50.0	52.0	25

## Velcro multifilament wrap



Material: Polyester      Velcro materials: Polyamide

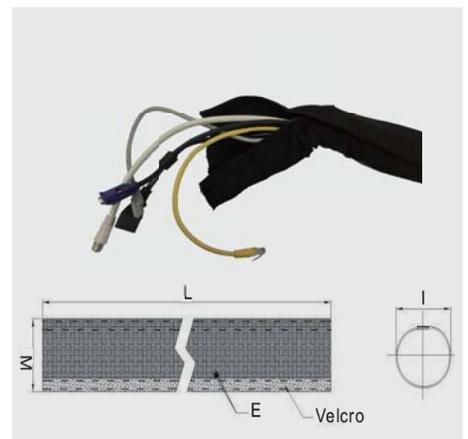
Colour: Black

Temperature range: -50°C~+150°C

Melt point: 240°C±10°C

Flame- retardant: VW-1

Properties: AD-FT Velcro multifilament wrap is a non-expandable sleeving woven from polyester multifilament yarn. It has lightweight, high strength, excellent flame and abrasion resistance. The product can be easily wrapped and closed over the cable bundle. It can be re-open rapidly to permit cables to be added or removed, and breakouts can be made simply by bringing cables out through Velcro.



Part no.	Inside diameter I.D (mm)	Spread width (mm)	
AD-FT-20	20	80	50
AD-FT-25	25	95	50
AD-FT-30	30	115	50
AD-FT-35	35	130	50
AD-FT-40	40	146	25
AD-FT-45	45	162	25
AD-FT-50	50	178	25

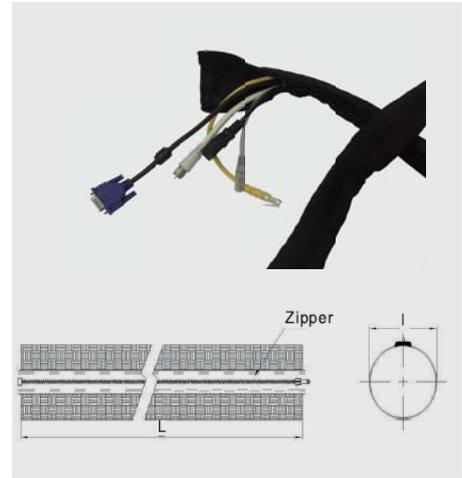
# 87/88

## Zipper multifilament wrap



Material: Polyester multifilament  
 Colour: Black  
 Temperature range: -50°C~+150°C  
 Melt point: 240±10°C  
 Flame- retardant: VW-1

Properties: AD-FL firstly has the same function as zipper braided wrap, easy to be installed and uninstalled and excellent anti-abrasion performance, but furthermore offers better dust resistance due to tight weaving construction. This kind of sleeving can provide many variety of sizes to accommodate any harnessing and cable management application owing to its flexibility assemblies.



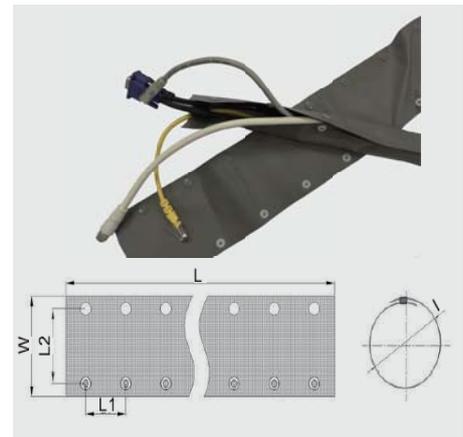
Part no.	Inside diameter I.D (mm)	Spread width (mm)	Max. bundle Dia. (mm)	Packing (m/roll)
AD-FL-25	25	88	27	As per requirement
AD-FL-30	30	104	32	
AD-FL-35	35	120	37	
AD-FL-40	40	135	42	
AD-FL-45	45	151	47	
AD-FL-50	50	170	52	
AD-FL-60	60	198	62	

## PVC button wrap



Material: PVC  
 Colour: Grey/Dark grey  
 Temperature range: -15°C~+85°C  
 Flame- retardant: UL94-V0

Properties: PVC button wrap can tidy up and beautify the wiring fast and easily, it is reusable and has excellent performance of insulation and abrasion resistance. It's great for harness work and allows breakouts of single or multiple wires for re-routing or replacement.



Part no.	Inside diameter I.D (mm)	Spread width (mm)	Packing (m/roll)
AK-012-G/G	12	60	75
AK-019-G/G	19	80	75
AK-025-G/G	25	100	75
AK-031-G/G	31	120	75
AK-037-G/G	37	140	75
AK-044-G/G	44	160	75
AK-050-G/G	50	180	75
AK-057-G/G	57	202	75
AK-070-G/G	70	242	75
AK-100-G/G	100	335	75
AK-150-G/G	150	495	75

## Velcro shielding wrap



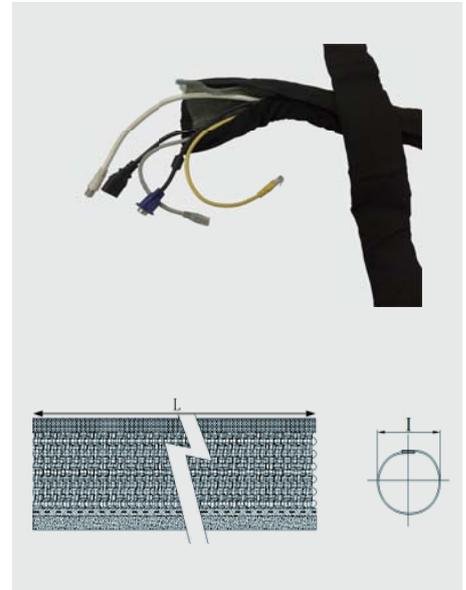
Material: Polyester

Colour: Black

Temperature range: -50°C~+150°C

Melt point: 240±10°C

Properties: AD-T Velcro multifilament wrap is a non-expandable sleeving woven from polyester multifilament yarn. It has lightweight, high strength, excellent flame and abrasion resistance. The product can be easily wrapped and closed over the cable bundle. It can be re-opening rapidly to permit cables to be added or removed, and breakouts can be made simply by bringing cables out through Velcro.



Part no.	Inside diameter I.D (mm)	Fitted O.D (mm)	Packing (m/roll)
AD-T-16	16	10-16	25
AD-T-20	20	17-20	25
AD-T-30	30	21-30	25
AD-T-50	50	31-50	25

## Zipper shielding wrap



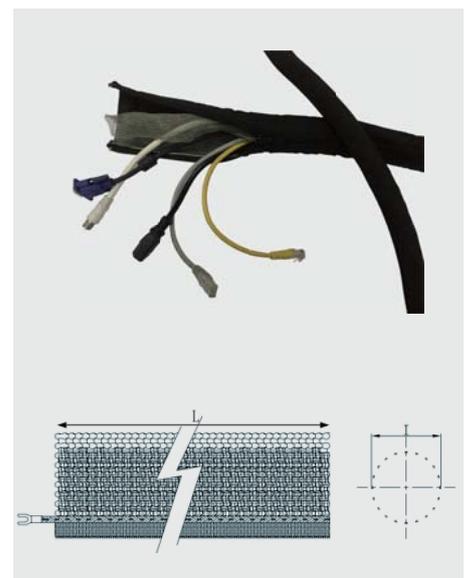
Material: Polyester

Colour: Black

Temperature range: -50°C~+150°C

Melt point: 240±10°C

Properties: AD-L is manufactured from cooper hook weaving, flame retardant fabric and zipper which provide shielding of high sensitivity EMI shielding, reduce noise, dustproof, flame retardant and abrasive resistance.



Part no.	Inside diameter I.D (mm)	Fitted O.D(mm)	Packing (m/roll)
AD-L16	16	10-16	As per requirement
AD-L20	20	17-20	
AD-L30	30	21-30	
AD-L50	50	31-50	

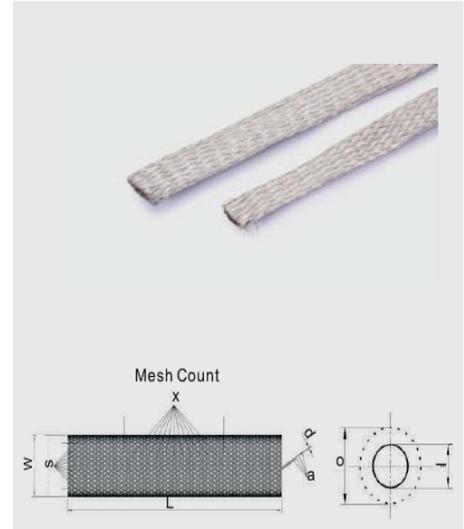
# 89/90

## Closed shielding sleeving



Material: Tinned copper filament  
 Colour: Tinned color  
 Temperature range: -60°C~+200°C

Properties: AD-PB is woven with tinned copper foil filament. This product has ability of resistant to EMI shielding, and protect wire and cables. Using tinned copper foil filament can improve the intensity, avoid copper oxidation and corrosion. Tin was the appearance of silver, bright color.



Part no.	Nominal size (mm)	Expanded range (I to O) (mm)	Packing (m/roll)
AD-PB-20	20.0	15.0---25.0	30
AD-PB-25	25.0	25.0---35.0	30
AD-PB-35	35.0	35.0---50.0	30

## Spiral wrap



Material: Polyethylene  
 Colour: Black/White  
 Temperature range: -30°C~+90°C  
 Flame- retardant: UL94-V2

Application: Spiral wrap is an economical way for cable management. It can be easily applied to wire harness, cables and wire bundles keep all your wires tidy and beautiful. Simply fix one end by hand first, then wrapped around the cable in a clockwise direction and tighten it up.



Part no.	Inside diameter I (mm)	Fitted O (mm)	Spread width W (mm)	Bundle diameter range (mm)	Packing (m/roll)
CRG-03	2±0.5	3±0.5	5±1	2~25	50
CRG-04	3±0.6	4±0.5	6±2	3~30	50
CRG-06	5±0.5	6±0.5	8±1	4~50	20
CRG-08	7±0.5	8±0.8	10±1	6~60	12
CRG-10	8.8±0.5	10±0.9	12±1	7.5~60	10
CRG-12	10.5±0.5	12±0.5	14±1	9~65	8
CRG-14	12±0.5	14±0.5	16±1	10~75	5
CRG-16	14±0.5	16±0.5	18±1	12~80	4
CRG-20	18±0.5	20±0.5	22±1	15~100	3
CRG-22	19±0.5	22±0.5	24±1	16~105	3

## Flame retardant spiral wrap

Material: Polyethylene

Colour: Black/White

Temperature range: -30°C~+100°C

Flame- retardant: UL94-V0

Properties: spiral wrap is an economical way for cable management. It can be easily applied to wire harness, cables and wire bundles keep all your wires tidy and beautiful. Simply fix one end by hand first, then wrapped around the cable in a clockwise direction and tighten it up. silver, bright color.



Part no.	Fitted O (mm)	Pitch W (mm)	Wall thickness (mm)	Packing (m/roll)
MCRG-04	4.7	6.0~6.5	0.6±0.1	100
MCRG-06	6.0	7.0~7.5	0.7±0.1	80
MCRG-08	8.0	8.8~9.5	0.8±0.1	60
MCRG-10	10.0	10.0~10.8	1.0±0.1	40
MCRG-12	12.0	12.0~12.8	1.2±0.1	30
MCRG-14	14.0	14.0~15.0	1.3±0.1	20
MCRG-16	16.0	15.5~16.5	1.5±0.1	18
MCRG-18	18.0	16.5~17.5	1.6±0.1	15
MCRG-20	20.0	19.0~20.0	1.7±0.1	14
MCRG-22	22.0	19.0~20.0	1.75±0.1	12
MCRG-25	25.0	23.0~24.0	1.85±0.1	10
MCRG-30	30.0	28.0~30.0	2.4±0.1	6
MCRG-35	35.0	32.0~34.0	2.5±0.1	5
MCRG-40	40.0	33.0~35.0	2.7±0.1	4
MCRG-50	50.0	44.0~46.0	2.8±0.1	2.5

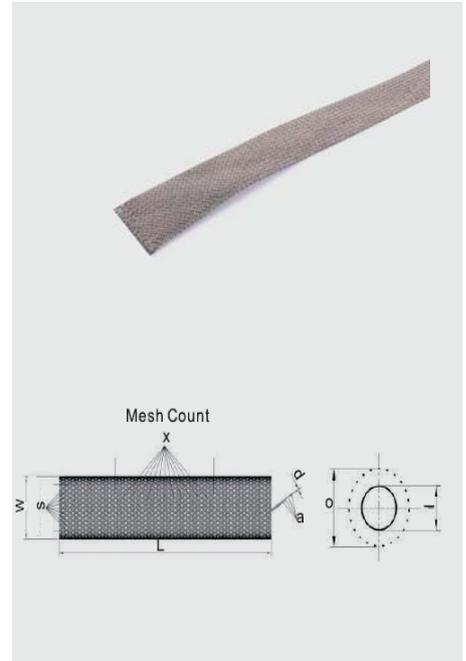
## Copper foil shielding sleeving

Material: Copper filament

Colour: Tinned color

Temperature range: -40°C~+150°C

Properties: AD-TB is woven with copper foil filament, it is used for various electrical and industrial fields where EMI shielding, excellent protection and lightweight are required. It is lighter and more flexible than tinned cooper braided sleeving, it is a perfect combination of economy and durability, it can be used as connectors with highly flexible and easily to install.



Part no.	Nominal size (mm)	Expanded range (I to O) (mm)	Packing (m/roll)
AD-TB-04	4.0	3.0---7.0	300
AD-TB-06	6.0	4.0---9.0	200
AD-TB-08	8.0	6.0---12.0	200
AD-TB-10	10.0	7.0---16.0	150
AD-TB-12	12.0	8.0---20.0	100
AD-TB-15	15.0	10.0---23.0	100
AD-TB-20	20.0	13.0---28.0	100
AD-TB-25	25.0	18.0---32.0	100
AD-TB-30	30.0	20.0---40.0	50
AD-TB-40	40.0	30.0---50.0	50
AD-TB-50	50.0	40.0---60.0	50

## Heat-shrinkable tube(normal wall)

Material: Polyethylene

Colour: Black

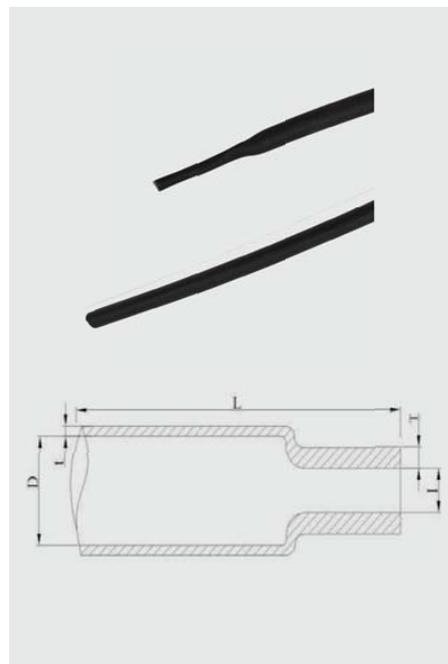
Temperature range: -55°C~+125°C

Start shrunk temperature: 70°C,complete contraction at 110°C

Longitudinal shrinkage: 5%                      Shrinking ration: 2:1

Flame- retardant: VW-1`

Properties:PRS is a newly developed environment friendly flame retardant heat-shrinkable tube, using modified polymers and cross-linked by electronic accelerator. It offers an economic and efficient solution for the insulation and protection of cable splices and terminals.



Part no.	Before shrink		After shrink		Packing (m/roll)
	Inside diameter D (mm)	Wall thickness T (mm)	Maximum Inner Diameter T (mm)	Wall thickness T (mm)	
PRS-0.6	0.90	0.10	0.40	0.22	200
PRS-0.8	1.00	0.15	0.50	0.22	200
PRS-1.0	1.50	0.15	0.65	0.28	200
PRS-1.5	2.00	0.18	0.85	0.32	200
PRS-2.0	2.50	0.18	1.00	0.35	200
PRS-2.5	3.00	0.18	1.30	0.38	200
PRS-3.0	3.50	0.18	1.50	0.40	200
PRS-3.5	4.00	0.22	1.80	0.42	200
PRS-4.0	4.50	0.25	2.00	0.45	200
PRS-4.5	5.00	0.25	2.30	0.50	100
PRS-5.0	5.50	0.25	2.50	0.55	100
PRS-6.0	6.50	0.28	3.00	0.55	100
PRS-7.0	7.50	0.28	3.50	0.55	100
PRS-8.0	8.50	0.28	4.00	0.60	100
PRS-9.0	9.50	0.30	4.50	0.60	100
PRS-10	10.50	0.30	5.00	0.60	100

## Thin wall heat shrinkable tube

Material: Polyethylene

Colour: Black

Temperature range: -45°C~ +125°C

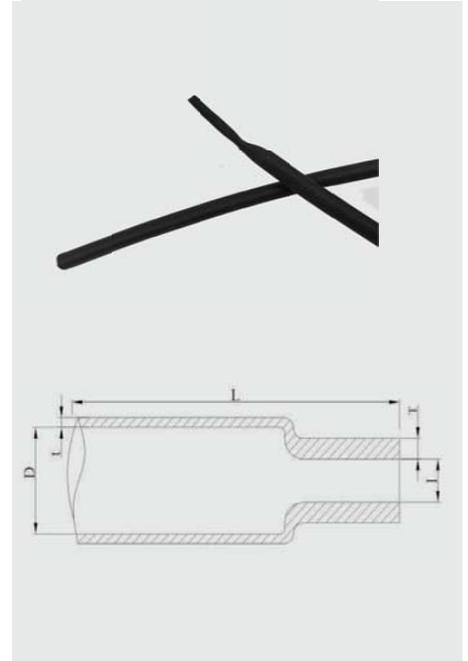
Start shrunk temperature: 70°C

Longitudinal shrinkage: 5%

Shrinking ratio: 2:1

Flame- retardant: VW-1

Properties: BRS is newly developed environment friendly flame retardant heat shrinkable tube, using modified polymers, through cross-link by electronic accelerator. When heat shrink tubing quickly shrinks, it can molds itself to the specific size and shape of the wire.



Part no.	Before shrink		Maximum Inner Diameter (mm)	After shrink		Packing (m/roll)
	Inside diameter (mm)	Average wall thickness (mm)		Average wall thickness (mm)		
BRS-1.0	1.50±0.3	0.12±0.05	≤0.65	0.20±0.10	200	
BRS-1.5	1.90±0.3	0.13±0.05	≤0.85	0.20±0.10	200	
BRS-2.0	2.35±0.3	0.15±0.05	≤1.00	0.22±0.10	200	
BRS-2.5	2.80±0.4	0.15±0.05	≤1.30	0.25±0.10	200	
BRS-3.0	3.40±0.4	0.15±0.05	≤1.50	0.28±0.10	200	
BRS-3.5	3.80±0.4	0.15±0.05	≤1.80	0.28±0.10	200	
BRS-4.0	4.40±0.4	0.18±0.05	≤2.00	0.35±0.10	200	
BRS-4.5	4.70±0.4	0.18±0.05	≤2.30	0.35±0.10	200	
BRS-5.0	5.50±0.4	0.18±0.05	≤2.5	0.37±0.10	100	
BRS-6.0	6.50±0.4	0.20±0.05	≤3.0	0.39±0.10	100	
BRS-7.0	7.50±0.4	0.18±0.05	≤3.5	0.32±0.10	100	
BRS-8.0	8.50±0.5	0.18±0.05	≤4.0	0.32±0.10	100	
BRS-9.0	9.50±0.5	0.18±0.05	≤4.5	0.35±0.10	100	
BRS-10	10.5±0.5	0.18±0.05	≤5.0	0.35±0.10	100	
BRS-11	11.5±0.5	0.18±0.05	≤5.5	0.40±0.10	100	
BRS-12	12.5±0.5	0.20±0.05	≤6.0	0.40±0.10	100	
BRS-13	13.5±0.5	0.20±0.05	≤6.5	0.40±0.10	100	
BRS-14	14.5±0.5	0.20±0.05	≤7.0	0.40±0.10	100	
BRS-15	15.5±0.5	0.20±0.05	≤7.5	0.40±0.10	100	
BRS-16	16.5±0.5	0.22±0.05	≤8.0	0.40±0.10	100	
BRS-18	18.5±0.5	0.22±0.05	≤9.0	0.45±0.10	100	
BRS-20	20.5±0.5	0.22±0.05	≤10.0	0.45±0.10	100	
BRS-22	22.8±0.5	0.22±0.05	≤11.0	0.45±0.10	100	
BRS-25	25.5±0.5	0.22±0.05	≤12.5	0.45±0.10	50	

## Dual wall heat-shrink tube

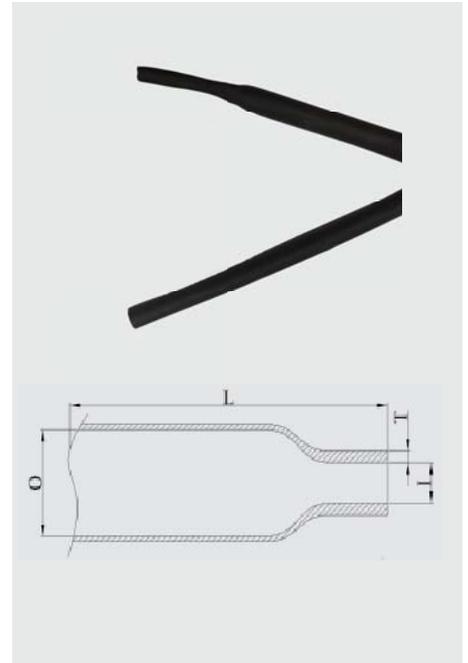
Material: Polyethylene

Colour: Black/other colours

Temperature range: -45°C~+125°C

Shrinking ration: 3:1 and 4:1

Properties: SRS is made of the high quality polymer layer with hot melt adhesive (inner layer). When exposed to heat source, the inner layer begins to melt and flow. When it cools down, inner layer forms an adhesion layer between the tubing and the component or wire. This provides a water-tight seal and protection for the connectors or wire.



Part no.	Inside diameter O (mm)	Inside diameter I (mm)	After shrink		Packing (m/roll)
			Wall thickness T (mm)	Adhesive thickness (mm)	
<b>3 : 1 Dual wall tube specification</b>					
SRS-3.2	3.2	1.0	1.0	0.40	200
SRS-4.8	4.8	1.6	1.1	0.40	100
SRS-6.4	6.4	2.0	1.2	0.50	100
SRS-7.9	7.9	2.7	1.4	0.50	100
SRS-9.5	9.5	3.2	1.4	0.50	50
SRS-12.7	12.7	4.2	1.7	0.50	1.22
SRS-15.0	15.0	5.0	1.8	0.60	1.22
SRS-19.1	19.1	6.3	2.0	0.60	1.22
SRS-25.4	25.4	8.5	2.1	0.60	1.22
SRS-30	30.0	10.2	2.2	0.60	1.22
SRS-39	39.0	13.5	2.4	0.60	1.22
SRS-50	50.0	17.0	2.7	0.70	1.22
SRS-64	64.0	21.0	3.0	0.70	1.22
SRS-75	75.0	25.0	3.2	1.0	1.22
SRS-90	90.0	30.0	3.3	1.0	1.22
SRS-100	100.0	34.0	3.5	1.2	1.22
SRS-125	125.0	42.0	3.5	1.2	1.22
<b>4:1 Dual wall tube specification</b>					
SRS-4	4.0	1.0	1.0	0.4	200
SRS-6	6.0	1.5	1.1	0.4	100
SRS-8	8.0	2.0	1.5	0.5	50
SRS-12	12.0	3.0	1.7	0.5	1.22
SRS-16	16.0	4.0	2.0	0.6	1.22
SRS-20	20.0	5.0	2.3	0.6	1.22
SRS-24	24.0	6.0	2.5	0.6	1.22
SRS-32	32.0	8.0	2.8	0.7	1.22
SRS-52	52.0	13.0	3.0	0.4	1.22

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## Heat shrinkable braided sleeving

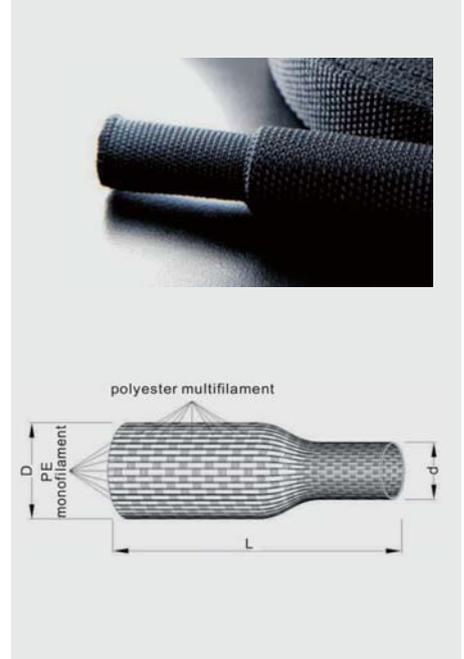
Material: Polyolefin+Polyester

Colour: Black

Start shrunk temperature: 80°C      Minimum fully recovery temperature: 120°C

Shrinking ration: 2:1

Properties: RBT consist of polyester multifilament and special modified polyolefin filament, it will shrink when expose to heat source, this unique woven construction makes it extremely flexible, easy to install on the hoses with irregular shapes. Suitable used in rough environments, providing excellent abrasion resistance and noise reduction.



Part no.	Inside diameter Before shrink D (mm)	Inside diameter After shrink D (mm)	Packing (m/roll)
RBT-10	10.0	5.0	400
RBT-20	20.0	10.0	200
RBT-25	25.0	12.5	150
RBT-30	30.0	15.0	100
RBT-34	34.0	17.0	100
RBT-40	40.0	20.0	100
RBT-50	50.0	25.0	100
RBT-60	60.0	30.0	50
RBT-70	70.0	35.0	50
RBT-80	80.0	40.0	50

## Silicone fiberglass sleeving (outer glass fiber and inner silicone)

Material: outer glass fiber and inner silicone

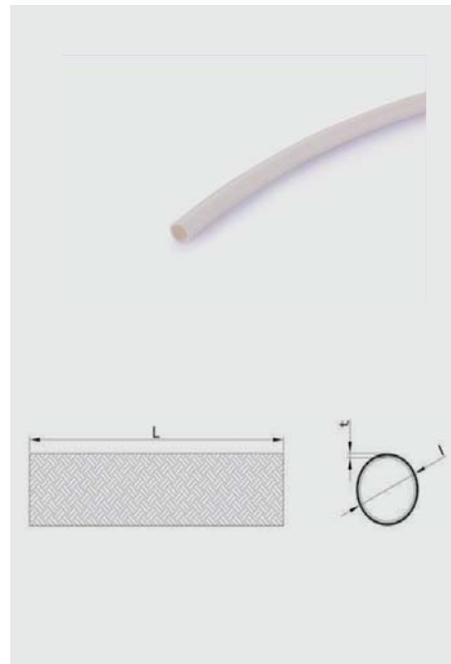
Colour: White

Temperature range: -60°C~+200°C

Breakdown voltage: 7.0kV

Flammability: VW-1

Properties: NWB is coated by silicone with the process of thermal and vulcanization that possesses good properties of dielectric high temperature resistance and cold resistance. It also provides abrasion and flame resistance with high flexibility.



Part no.	I.D.(mm) inside diameter	(T) wall thickness	Packing (m/roll)
NWB-01	1	0.65	100
NWB-01.5	1.5	0.65	100
NWB-02	2	0.65	100
NWB-02.5	2.5	0.65	100
NWB-03	3	0.65	100
NWB-03.5	3.5	0.65	100
NWB-04	4	0.65	100
NWB-04.5	4.5	0.65	100
NWB-05	5	0.85	100
NWB-05.5	5.5	0.85	100
NWB-06	6	0.85	100
NWB-07	7	1.15	100
NWB-08	8	1.15	50
NWB-10	10	1.25	50
NWB-12	12	1.5	50

## Braided sleeving—cutting tools

### Desktop hot knife

Specifications	
Part No.	KD-9
Voltage	AC230V/50Hz
Power	MAX.70W
Blade temperature	Up to 800°C in seconds
Cord length	3.3M
Max. Cutting Width	50mm
Weight	2.1KG
Function	Cut and seal the end of sleeve to prevent fraying
Application purpose	Economic solution for mass production



### Handheld hot knife

Specifications	
Part No.	KD-8-3
Voltage	AC230V/50Hz AC120V/60Hz
Power	MAX.70W
Blade temperature	Up to 800°C in seconds
Cord length	2.9m
Max. Cutting Width	50mm
Weight	1.1kg
Function	Cut and seal the end of sleeve to prevent fraying
Application purpose	Applied to Small batch production, when works long time, the protection switch would turn on.



### Cutting machine

Specifications	
Part No.	HN-100
Voltage	110/220V
Power	Cold cutting power 80W, Hot cutting power 80W~660W
Blade temperature	1-500°C
Cord length	1-9999mm
Max. Cutting Width	1-100mm
Dimensions	L=600mm W=600mm H=800mm
Weight	60kg
Function	Hot knife applied to cut sleeves, cold knife applied to cut silicone, heat shrinkable sleeve and so on.
Application purpose	Applied to Small batch production, when works long time, the protection switch would turn on.



## Fire-resisting sleeves

Material: Inner alkali glass fiber, other silicone

Colour: Red

Properties: Fire protection, high temperature resistance, widely resistant to seawater, acids and oils, abrasive resistant, very flexible, non-flammable even no afterglow, self-extinguishing.

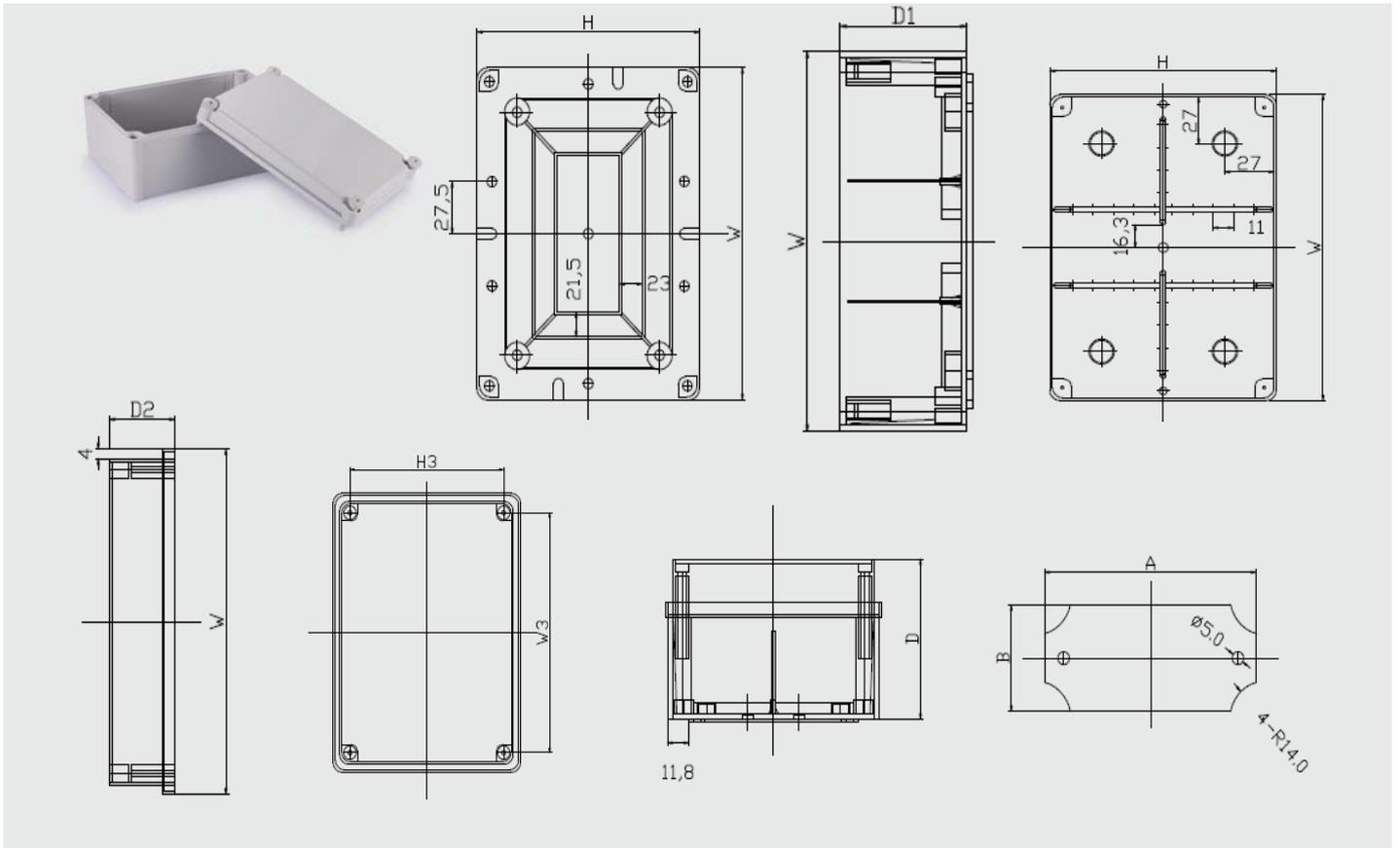
Applications: Steel industry, Foundries, Chemical companies, Oil companies, Shipbuilders, Public transportation, Mining industry, Glass factories.



Part no.	ID (mm)	Coating thickness (mm)	Operating TEMP	Max short term TEMP	Breakdown voltage	Packing (m/roll)
HTFR-06	6.0	≥1.0	≥260°C	≥1300°C	≥10-15KV	30
HTFR-08	8.0	≥1.0				30
HTFR-10	10.0	≥1.0				30
HTFR-12	12.0	≥1.0				30
HTFR-14	14.0	≥1.0				30
HTFR-16	16.0	≥1.0				30
HTFR-19	19.0	≥1.0				30
HTFR-22	22.0	≥1.0				30
HTFR-25	25.0	≥1.0				30
HTFR-29	29.0	≥1.0				30
HTFR-32	32.0	≥1.2				20
HTFR-35	35.0	≥1.2				20
HTFR-38	38.0	≥1.2				20
HTFR-41	41.0	≥1.2				20
HTFR-44	44.0	≥1.2				20
HTFR-51	51.0	≥1.2				15
HTFR-57	57.0	≥1.2				15
HTFR-64	64.0	≥1.2				15
HTFR-70	70.0	≥1.2				15
HTFR-76	76.0	≥1.5				15
HTFR-83	83.0	≥1.5	15			
HTFR-89	89.0	≥1.5	15			
HTFR-95	95.0	≥1.5	15			
HTFR-100	100.0	≥1.5	15			

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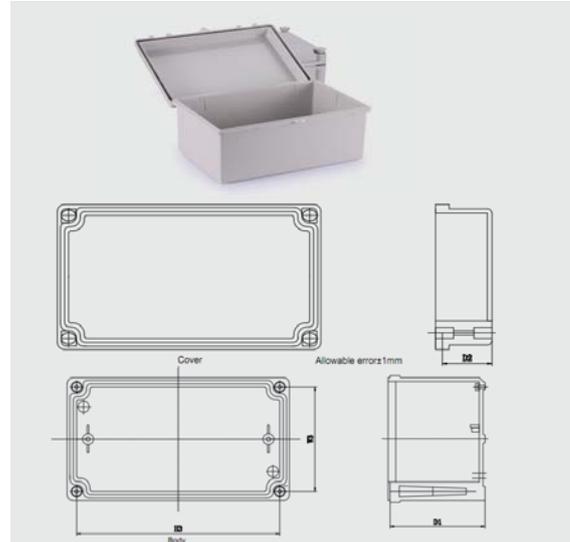
## Plastic Enclosure



Grey cover	Clear cover	Metal mounting plate	WxHxD	Dimension(mm)		
				W3	H3	D1+D2
TGG-0812	TGC-0812	TB-0812	80x120x50	88	88	40+14
TGG-1010	TGC-1010	TB-1010	100x100x50	108	68	40+14
TGG-1115	TGC-1115	TB-1115	110x150x70	137	98	49+25
TGG-1419	TGC-1419	TB-1419	140x190x70	177	128	51+25
TGG-1924	TGC-1924	TB-1924	190x240x90	226	170	70+25
TGG-1924-1	TGC-1924-1	TB-1924-1	190x240x160	226	170	70+96
TGG-2230	TGC-2230	TB-2230	220x300x120	280	200	76+50
TGG-3038	TGC-3038	TB-3038	300x380x120	278	281	78+50

## Plastic Enclosure

The enclosure is according to EN60529 standard, free from corrosion, compressive property and insulation, widely used in electronics, communications, firefighting apparatus, control panels, terminal boxes, public accommodation, ship industry, food industry etc. We always give top priority to quality and safety, your satisfaction is guaranteed. Protection degree : IP66 Temperature range:-40°C~+80°C ABS: Acrylonitrile Butadiene Styrene PC: Poly Carbonate.

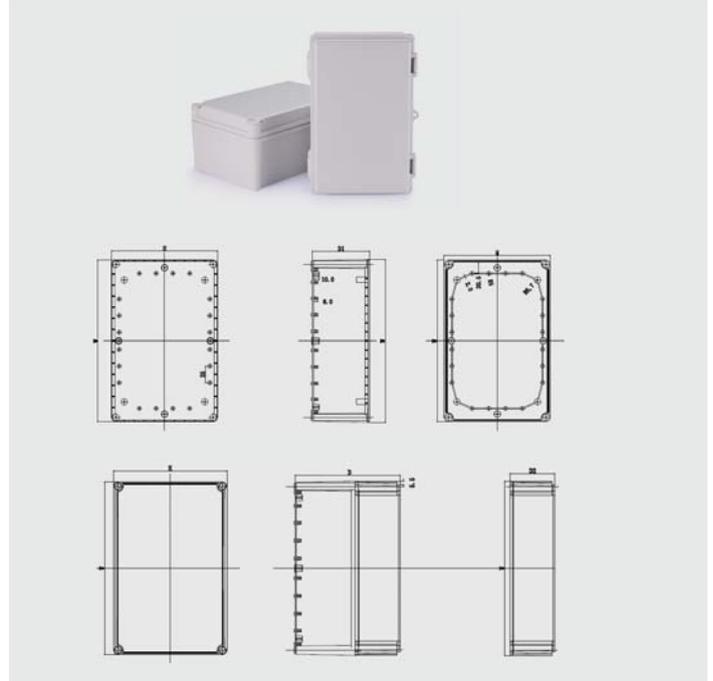


Screw type		Stainless steel latch+Screw type		Mounting plate		Dimension (mm)			
Grey cover	Clear cover	Grey cover	Clear cover	Plastic	Metal	WxHxD	W3	H3	D1+D2
TBG-0506	TBC-0506	TBSG-0506	TBSC-0506	-	TB-0506	50x65x55	37	52	40+15
TBG-0609	TBC-0609	TBSG-0609	TBSC-0609	-	-	65x95x55	50	79	35+20
TBG-0712	TBC-0712	TBSG--0712	TBSC--0712	TB-0712P	TB-0712	75x125x75	56	107	50+25
TBG-0712-1	TBC-0712-1	TBSG-0712-1	TBSC-0712-1	TB-0712P	TB-0712	75x125x100	56	107	50+50
TBG-0808	TBC-0808	TBSG-0808	TBSC-0808	-	TB-0808	80x80x60	62	62	45+15
TBG-0811-S	TBC-0811-S	TBSG-0811-S	TBSC-0811-S	TB-0811P	TB-0811	80x110x45	62	92	25+20
TBG-0811-1S	TBC-0811-1S	TBSG-0811-1S	TBSC-0811-1S	TB-0811P	TB-0811	80x110x60	62	92	25+35
TBG-0811	TBC-0811	TBSG-0811	TBSC-0811	TB-0811P	TB-0811	80x110x70	62	92	50+20
TBG-0811-1	TBC-0811-1	TBSG-0811-1	TBSC-0811-1	TB-0811P	TB-0811	80x110x85	62	92	50+35
TBG-0813	TBC-0813	TBSG-0813	TBSC-0813	TB-0813P	TB-0813	80x130x70	62	112	50+20
TBG-0813-1	TBC-0813-1	TBSG-0813-1	TBSC-0813-1	TB-0813P	TB-0813	80x130x85	62	112	50+35
TBG-0816-S	TBC-0816-S	TBSG-0816-S	TBSC-0816-S	TB-0816P	TB-0816	80x160x55	68	148	40+15
TBG-0816	TBC-0816	TBSG-0816	TBSC-0816	TB-0816P	TB-0816	80x160x90	68	148	75+15
TBG-0818	TBC-0818	TBSG-0818	TBSC-0818	TB-0818P	TB-0818	80x180x70	62	162	50+20
TBG-0818-1	TBC-0818-1	TBSG-0818-1	TBSC-0818-1	TB-0818P	TB-0818	80x180x85	62	162	50+35
TBG-0825	TBC-0825	TBSG-0825	TBSC-0825	TB-0825P	TB-0825	80x250x70	62	232	50+20
TBG-0825-1	TBC-0825-1	TBSG-0825-1	TBSC-0825-1	TB-0825P	TB-0825	80x250x85	62	232	50+35
TBG-1010	TBC-1010	TBSG-1010	TBSC-1010	-	TB-1010	100x100x85	75	82	55+20
TBG-1018	TBC-1018	TBSG-1018	TBSC-1018	-	TB-1018	100x180x75	75	155	60+15
TBG-1022	TBC-1022	TBSG-1022	TBSC-1022	-	TB-1022	100x223x75	75	198	60+15
TBG-1212-S	TBC-1212-S	TBSG-1212-S	TBSC-1212-S	TB-1212P	TB-1212	125x125x75	105	105	55+20
TBG-1212	TBC-1212	TBSG-1212	TBSC-1212	TB-1212P	TB-1212	125x125x100	105	105	80+20
TBG-1217	TBC-1217	TBSG-1217	TBSC-1217	TB-1217P	TB-1217	125x175x75	108	156	50+25
TBG-1217-1	TBC-1217-1	TBSG-1217-1	TBSC-1217-1	TB-1217P	TB-1217	125x175x100	108	156	50+50
TBG-1220	TBC-1220	TBSG-1220	TBSC-1220	-	TB-1220	120x200x75	102	182	60+15
TBG-1417	TBC-1417	TBSG-1417	TBSC-1417	TB-1417P	TB-1417	140x170x95	122	152	75+20
TBG-1423	TBC-1423	TBSG-1423	TBSC-1423	TB-1423P	TB-1423	140x230x90	121	211	70+20
TBG-1520-S	TBC-1520-S	TBSG-1520-S	TBSC-1520-S	TB-1520P	TB-1520	150x200x75	131	182	50+25
TBG-1520	TBC-1520	TBSG-1520	TBSC-1520	TB-1520P	TB-5120	150x200x100	131	182	80+20
TBG-1520-1	TBC-1520-1	TBSG-1520-1	TBSC-1520-1	TB-1520P	TB-1520	150x200x130	131	182	80+50
TBG-1525	TBC-1525	TBSG-1525	TBSC-1525	TB-1525P	TB-1525	150x250x100	132	232	80+20
TBG-1525-1	TBC-1525-1	TBSG-1525-1	TBSC-1525-1	TB-1525P	TB-1525	150x250x130	132	232	80+50

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## Plastic Enclosure

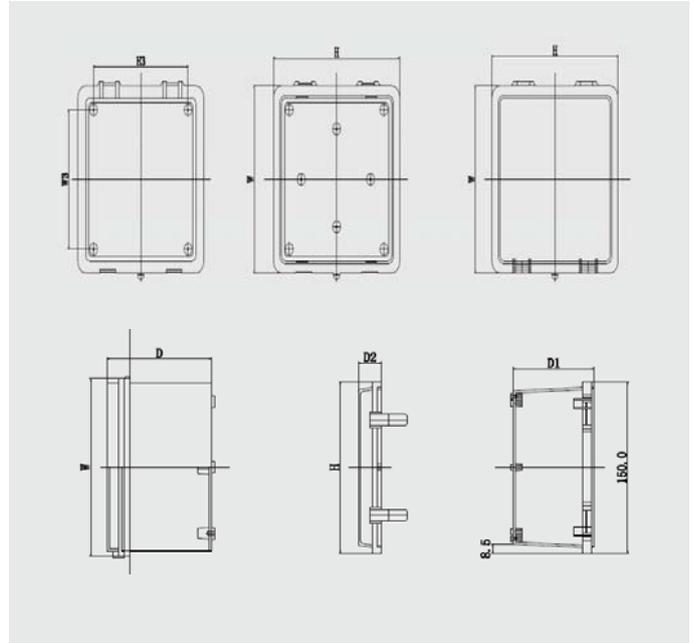
Beautiful appearance, excellent processing and stability should be guaranteed by material such as High Intensity ABS, PC, AC Polyester assured flammability material and Glass 30% annexing material. The use is convenient for the installation of Terminal Box, the supply Switchboard, Apparatus Box, electrical power supply and Control Box etc.



Screw type		Stainless steel latch+Screw type		Mounting plate		Dimension (mm)			
Grey cover	Clear cover	Grey cover	Clear cover	Plastic	Metal	WxHxD	W3	H3	D1+D2
TBG-1717	TBC-1717	TBSG-1717	TBSC-1717	TB-717P	TB-717	175x175x75	155	155	50+25
TBG-1717-1	TBC-1717-1	TBSG-1717-1	TBSC-1717-1	TB-717P	TB-717	175x175x100	155	155	50+50
TBG-1725	TBC-1725	TBSG-1725	TBSC-1725	TB-725P	TB-725	175x250x75	157	232	50+25
TBG-1725-1	TBC-1725-1	TBSG-1725-1	TBSC-1725-1	TB-725P	TB-725	175x250x100	157	232	50+50
TBG-2020-S	TBC-2020-S	TBSG-2020-S	TBSC-2020-S	TB-2020P	TB-2020	200x200x95	182	182	75+20
TBG-2020	TBC-2020	TBSG-2020	TBSC-2020	TB-2020P	TB-2020	200x200x130	182	182	110+20
TBG-2025	TBC-2025	TBSG-2025	TBSC-2025	-	TB-2025	200x250x100	178	223	75+25
TBG-2819	TBC-2819	TBSG-2819	TBSC-2819	TB-2819P	TB-2819	280x190x130	165	255	100+30
TBG-2819-1	TBC-2819-1	TBSG-2819-1	TBSC-2819-1	TB-2819P	TB-2819	280x190x180	165	255	100+80
TBG-2828	TBC-2828	TBSG-2828	TBSC-2828	TB-2828P	TB-2828	280x280x130	255	255	100+30
TBG-2828-1	TBC-2828-1	TBSG-2828-1	TBSC-2828-1	TB-2828P	TB-2828	280x280x180	255	255	100+80
TBG-2838	TBC-2838	TBSG-2838	TBSC-2838	TB-2838P	TB-2838	280x380x130	355	255	100+30
TBG-2838-1	TBC-2838-1	TBSG-2838-1	TBSC-2838-1	TB-2838P	TB-2838	280x380x180	355	255	100+80
TBG-3428	TBC-3428	TBSG-3428	TBSC-3428	TB-3428P	TB-3428	340x280x130	255	315	100+30
TBG-3428-1	TBC-3428-1	TBSG-3428-1	TBSC-3428-1	TB-3428P	TB-3428	280x380x180	355	255	100+80
TBG-3819-S	TBC-3819-S	TBSG-3819-S	TBSC-3819-S	-	TB-3819	380x190x100	165	355	70+30
TBG-3819	TBC-3819	TBSG-3819	TBSC-3819	-	TB-3819	380x190x130	165	355	100+30
TBG-3819-1	TBC-3819-1	TBSG-3819-1	TBSC-3819-1	-	TB-3819	380x190x180	165	35	150+30
TBG-3856	TBC-3856	TBSG-3856	TBSC-3856	-	TB-3856	380x560x180	354	534	150+30

## Plastic Enclosure

Out of the plastic boxes which are selling at present. It is ability are most excellent, the competitive power is much higher with the low price same as the level of steel box. The products were added the EMI and preventing substance of the static electricity, and the strong point was given to the relevant mechanical protection of electricity, electron and etc. The uses are possible according to the size such as small Terminal Box, Signal, Terminal and Pull, Control Box etc.



Grey cover	Clear cover	Mounting plate		WxHxD	Dimension (mm)		
		plastic	metal		W3	H3	D1+D2
THG-1015	THC-1015	TB-1015P	TB-1015	100x150x70	116	66	50+20
THG-1020	THC-1020	TB-1020P	TB-1020	100x200x70	165	65	50+20
THG-1515	THC-1515	TB-1515P	TB-1515	150x150x90	120	115	70+20
THG-1722	THC-1722	TB-1722P	TB-1722	170x220x110	186	136	80+30
THG-1929	THC-1929	TB-1929P	TB-1929	190x290x140	254	156	110+30
THG-2530	THC-2530	TB-2530P	TB-2530	250x300x150	231	281	110+40
THG-2535	THC-2535	TB-2535P	TB-2535	250x350x180	221	321	140+40
THG-2939	THC-2939	TB-2939P	TB-2939	290x390x160	361	251	132+28
THG-3030	THC-3030	TB-3030P	TB-3030	300x300x130	280	280	100+30

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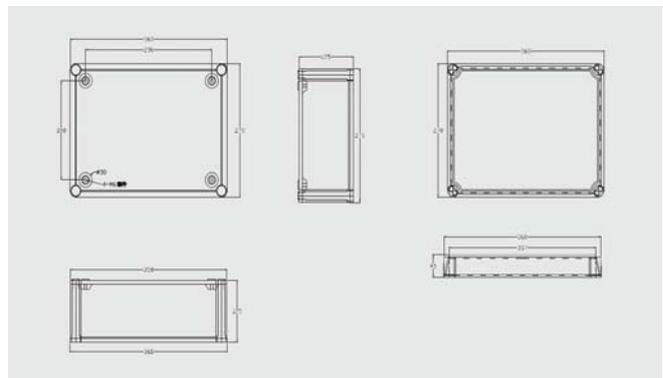
## Plastic latch+hinge type

Grey cover	Clear cover	Metal mounting plate	WxHxD	Dimension(mm)	
				D1	D2
TBDG-2030-S	TBDC-2030-S	TB-2030	200x200x150	120	30
TBDG-2030	TBDC-2030	TB-2030	200x300x180	130	50
TBDG-3030	TBDC-3030	TB-3030	300x300x180	130	50
TBDG-3040	TBDC-3040	TB-3040	300x400x180	130	50
TBDG-4050	TBDC-4050	TB-4050	400x500x200	150	50
TBDG-4060	TBDC-4060	TB-4060	400x600x220	170	50

## Locks+hinge type

Grey cover	Clear cover	WxHxD	Dimension(mm)	
			D1	D2
TBK-2030	TBT-2030	200x300X180	130	50
TBK-3030	TBT-3030	300X300X180	130	50
TBK-3040	TBT-3040	300x400X180	130	50
TBK-4030	TBT-4030	400X300X180	130	50
TBK-4050	TBT-4050	400x500x200	150	50
TBK-4060	TBT-4080	400x600x220	150	50

## Plastic latch+hinge type



Grey cover	Clear cover	Metal mounting plate	WxHxD	Dimension(mm)	
				D1	D2
PDG-3627	PDC-3627	TB-3627	270X360X170	125	45

## RLMK Modular wiresplint

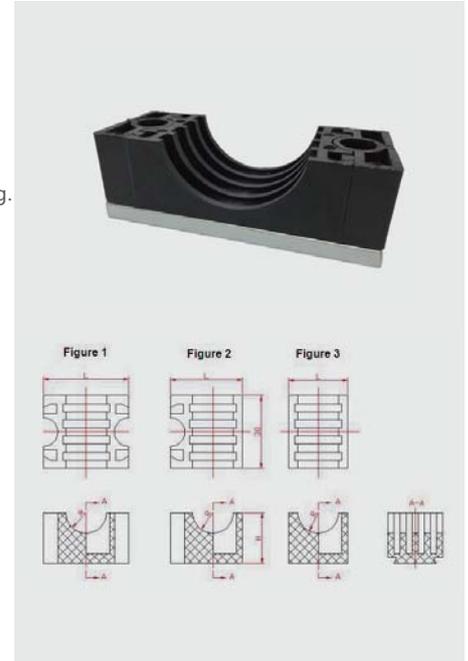
RLMK Modular wiresplint should be matched with wiresplint body and wiresplint sheath for applying.

### Wiresplint body

Material: Nylon 6

Colour: Black

Temperature range: -40°C~+105°C



Main body Part no.	Hole distance	L(mm)	H(mm)	R	Applicable cable (mm)	Applicable conduit	Applicable steel conduit diameter (mm)	Shape
RLMK22	47.0	45.0	18.5	R13.5	10-150	PA13-PA21	≤24	Figure1
RLMK221	-	40.5	18.5	R13.5	10-150	PA13-PA21	≤24	Figure2
RLMK222	-	35.0	18.5	R13.5	10-150	PA13-PA21	≤24	Figure3
RLMK13	44.0	41.8	23.0	R10.5	10-50	PA13-PA16	≤16	Figure1
RLMK23	54.0	51.8	23.0	R16.0	10-150	PA13-PA21	≤25	Figure1
RLMK27	58.0	55.8	23.0	R18.5	70-240	PA13-PA28	≤30	Figure1
RLMKA	-	28.0	22.5	R10.0	10-50	PA13-PA16	≤16	Figure3
RLMKA1	-	34.5	22.5	R10.0	10-50	PA13-PA16	≤16	Figure2
RLMKA2	41.0	41.0	22.5	R10.0	10-50	PA13-PA16	≤16	Figure1
RLMKB	-	35.0	22.5	R13.0	50-120	PA13-PA21	≤22	Figure3
RLMKB1	-	41.5	22.5	R13.0	50-120	PA13-PA21	≤22	Figure2
RLMKB2	48.0	48.0	22.5	R13.0	50-120	PA13-PA21	≤22	Figure1
RLMKC	-	36.0	22.5	R16.0	95-185	PA13-PA28	≤28	Figure3
RLMKC1	-	46.5	22.5	R16.0	95-185	PA13-PA28	≤28	Figure2
RLMKC2	53.0	53.0	22.5	R16.0	95-185	PA13-PA28	≤28	Figure1
RLMKD1	-	53.0	24.5	R19.0	95-300	PA13-PA34	≤34	Figure2
RLMKD2	59.5	59.5	24.5	R19.0	95-300	PA13-PA34	≤34	Figure1
RLMKE	81.0	81.0	37.5	R29.0	10-300	PA13-PA54	≤54	Figure1

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## RLMK Modular wiresplint

RLMK Modular wiresplint should be matched with wiresplint body and wiresplint sheath for applying.



## Wiresplint sheath

Main body Part no.	Sheath Part no.	Cable sheath diameter	Cable outer diameter range	Applicable conduit size
RLMKA	AHT-10	8.1	7.7-8.5	-
	AHT-16	9.0	9.0-9.8	-
RLMKA1	AHT-25	10.9	10.5-11.3	-
RLMKA2	AHT-50	14.5	13.9-15.2	PA16
	AHT-70	17.0	16.5-17.4	-
RLMKB	BHT-16	9.0	8.0-9.8	-
	BHT-35	12.2	11.8-12.6	-
	BHT-50	14.5	13.9-15.2	PA16
	BHT-70	17.0	16.5-17.4	-
	BHT-95	19.4	18.6-19.8	-
	BHT-120	21.4	21.0-21.8	PA21
RLMKC	CHT-50	14.5	13.9-15.2	PA16
	CHT-70	17.0	16.5-17.4	-
	CHT-95	19.4	18.6-19.8	-
	CHT-120	21.4	21.0-21.8	PA21
	CHT-150	24.0	23.4-24.6	-
RLMKD1	CHT-185	26.1	25.5-26.8	-
	DHT-120	21.4	21.0-21.8	PA21
RLMKD2	DHT-150	23.8	23.4-24.6	-
	DHT-36	36.0 ( for steel, aluminium conduit)	-	-
RLMKE	DHT-φ28.5	28.5	-	PA28
	EHT-240	30.2	29.4-30.6	-
	EHT-φ42.5-1	32.8	32.0-33.4	-
	EHT-φ42.5	42.5	-	PA42
RLMK13	EHT-φ54.5	54.5	-	PA54
	MK13-16	9.4	8.0-9.8	Not applicable for nylon conduits
	MK13-25	10.9	10.5-11.3	
	MK13-35	12.2	11.8-12.6	
	MK13-50	14.4	13.9-15.2	
MK23-50	14.4	13.9-15.5		
RLMK23	MK23-70	17.0	16.5-17.4	Not applicable for nylon conduits
	MK23-95	19.4	18.6-19.8	
	MK23-120	21.4	21.0-1.8	
	MK23-150	24.2	23.4-24.6	
	MK27-95	19.4	18.6-19.8	
RLMK27	MK27-120	21.4	21-21.8	Not applicable for nylon conduits
	MK27-150	24.2	23.4-24.6	
	MK27-185	26.3	25.5-26.8	
	MK27-240	30.2	29.4-30.6	

## 尼龙扎带 Nylon cable tie



Material: Polyamide 66

Colour: Black(BL)/White(W), other colors is available for customizing

Flame-retardant: UL94-V0

Properties: Acid resistance, corrosion resistance, high fatigue life, strong bearing capacity



Part no.	Length (mm)	Width (mm)	Max. Bundle Dia	Tensile strength (kgs)	Packing (pieces/bag)
RZD-60/2.2	60	2.5	11	8.0	1000
RZD-80/2.5	80	2.5	15	8.0	1000
RZD-100/2.5	100	2.5	22	8.1	1000
RZD-120/2.5	120	2.5	30	8.1	1000
RZD-150/2.5	150	2.5	35	8.1	1000
RZD-200/2.5	200	2.5	53	8.1	500
RZD-100/3.6	100	3.6	28	18.2	500
RZD-120/3.6	120	3.6	30	18.2	500
RZD-150/3.6	150	3.6	35	18.2	500
RZD-200/3.6	200	3.6	52	18.2	500
RZD-250/3.6	250	3.6	65	18.2	250
RZD-300/3.6	300	3.6	76	18.2	250
RZD-370/3.6	370	3.6	102	18.2	250
RZD-200/4.8	200	4.8	50	22.2	500
RZD-250/4.8	250	4.8	60	22.2	250
RZD-300/4.8	300	4.8	76	22.2	250
RZD-350/4.8	350	4.8	100	22.2	250
RZD-380/4.8	380	4.8	104	22.2	250
RZD-400/4.8	400	4.8	106	22.2	250
RZD-450/4.8	450	4.8	116	22.2	250
RZD-500/4.8	500	4.8	140	22.2	250
RZD-550/4.8	550	4.8	145	22.2	250
RZD-650/4.8	650	4.8	150	22.2	250
RZD-150/7.2	150	7.2	40	54.0	100
RZD-200/7.2	200	7.2	50	54.0	100
RZD-250/7.2	250	7.2	65	54.0	100
RZD-300/7.2	300	7.2	80	54.0	100
RZD-350/7.2	350	7.2	90	54.0	100
RZD-400/7.2	400	7.2	105	54.0	100
RZD-450/7.2	450	7.2	110	54.0	100
RZD-500/7.2	500	7.2	150	54.0	100
RZD-250/7.6	250	7.6	65	54.4	100
RZD-300/7.6	300	7.6	76	54.4	100
RZD-350/7.6	350	7.6	100	54.4	100
RZD-380/7.6	380	7.6	110	54.4	100
RZD-400/7.6	400	7.6	121	54.5	100
RZD-450/7.6	450	7.6	132	54.5	100
RZD-500/7.6	500	7.6	147	54.5	100
RZD-550/7.6	550	7.6	165	54.5	100

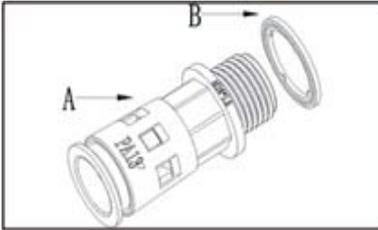
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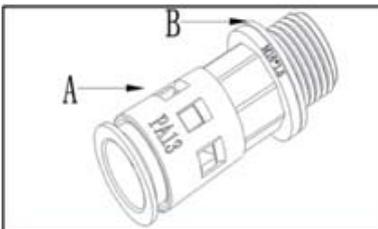


## TECHNICAL INFO

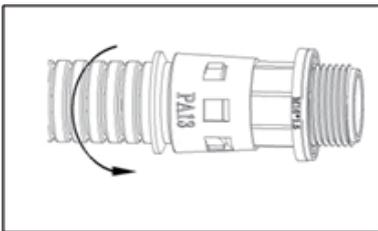
### RL connectors installation instructions



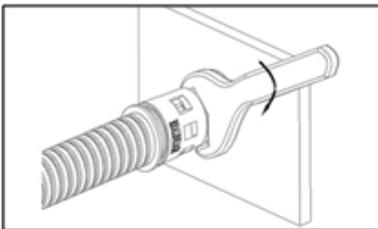
A. Connector (If it is the IP68 connector, please ensure that seal ring is flat and level before installation.)  
B. Flat gasket



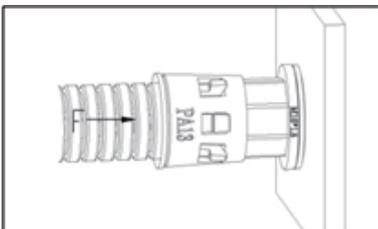
Place seal (B) onto male connector thread (A)



Place Conduit onto the connector bottom , then spin conduit a circle (Ensure that the buckle rebound, and stuck in the same slot)



Screw in the connector. Use spanner as shown (refer recommended maximum torque)



Disassembling method I : Press conduit and fasten the buckle as shown. Then the conduit can be pull out

Safety remarks: Recommendation for applications with strong vibrations:secure thread with common adhesive or sealant.

Realinkage accepts no liability for damages from unprofessional installation or misuse of the products. This disclaimer also includes damages to third parties. It is the customer's responsibility to check the delivered products and immediately notify Realinkage of detected faults. It is also the customer's responsibility to test the delivered product on its applicability for the intended purpose. Realinkage will accept no liability or responsibility for their products if a product is combined or used together with third-party products.

For more information please go to [www.realinkage.com](http://www.realinkage.com) or call +86-20-38200654

## Ingress Protection (IP) Ratings

IP Ratings refers to the ingress protection of foreign materials for electrical equipment. According to the standard of IEC 60529 and DIN40050.

In the IPXX, the first digit defines the protection against the ingress of dust particles, the second digit defines the protection against the ingress of water. The details as follows:

0	No Protection.	0	No Protection.
1	 50mm Protection against penetration by solid foreign matters larger than 50mm.	1	 Protection against vertically dripping water
2	 12mm Protection against penetration by solid foreign matters larger than 12mm.	2	 Protection against drip water falling at an angle of up to 15 degrees.
3	 2.5mm Protection against penetration by solid foreign matters larger than 2.5mm.	3	 Protection against spray water falling at an angle of up to 60 degrees.
4	 1mm Protection against penetration by solid foreign matters larger than 1mm	4	 Protection against splash water from all directions.
5	 Complete protection from being touched. Protection from harmful dust deposits - dust penetration is not completely prevented.	5	 Protection against water jets from all directions.
6	 Complete protection from being touched. Protection against penetration by dust.	6	 Protection against powerful water jets from all directions
		7	 Protection against water penetration 1m below water
		8	 Protection against pressure water for an indefinite time.

## Flame retardance UL94

Flame retardance UL94 is the most widely used standard in plastic material for inflammable performance. It is used to evaluate the ability of a material being litten to put out the fire .There are many methods of evaluation

according to the combustion rate, burning time, drops resistance ability and drops bead is burning or not.

### UL9HB

Tested material should be gradually burning in flat test, butning speed should not reach more than 3inch/m when the thickness is less than 3mm,and not reach 1.5inch/m(3.8mm/m)when thickness more than 3mm. Any material which over-speeds burning can not be allowed to get UL Approval.

### UL9V2

In upright burning test, average self-extinguishing time can not more than 25 seconds(single time at most 30 seconds),residues may burn cotton. Any possible burning time must to be controlled in 60 seconds.

### UL9V1

In upright burning test, average self-extinguishing time can not more than 25 seconds(single time at most 30 seconds),residues can not burn cotton. Any possible burning time must to be controlled in 60 seconds.

### UL9V0

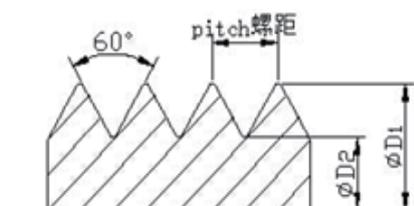
In upright burning test, average self-extinguishing time can not more than 5 seconds(single time at most 10 seconds),residues can not burn cotton. Any possible burning time must to be controlled in 30 seconds.

## Recommended torques for RL fittings with lock nuts

Thread	Torque (N/M)
M16	8.5
M20	9.5
M25	15.0
M32	15.5
M40	40.0
M50	45.0
M63	50.0

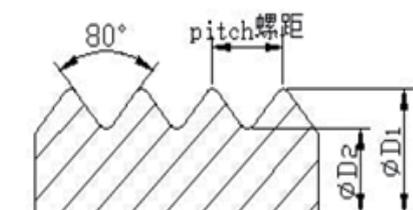
Thread	Torque (N/M)
PG9	8.5
PG11	9.5
PG16	15.0
PG21	15.5
PG29	40.0
PG36	45.0
PG48	50.0

## Thread Standard



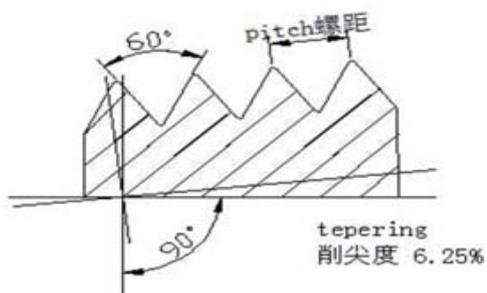
### Metric thread to EN60423

Thread	Pitch(mm)	$\phi D_1$ (mm)	$\phi D_2$ (mm)	Hole(mm)
M12	1.5	12	10.5	12.5
M16	1.5	16	14.5	16.5
M20	1.5	20	18.5	20.5
M25	1.5	25	23.5	25.5
M32	1.5	32	30.5	32.5
M40	1.5	40	38.5	40.5
M50	1.5	50	48.5	50.5
M63	1.5	63	61.5	63.5



### PG thread to DIN40430

Thread	Pitch(mm)	$\phi D_1$ (mm)	$\phi D_2$ (mm)	Hole(mm)
PG7	1.270	12.5	11.28	12.7
PG9	1.410	15.2	13.86	15.4
PG11	1.410	18.6	17.26	18.8
PG13.5	1.410	20.4	19.06	20.7
PG16	1.410	22.5	21.16	22.8
PG21	1.588	28.3	26.78	28.6
PG29	1.588	37.0	35.48	37.4
PG36	1.588	47.0	45.48	47.5
PG42	1.588	54.0	52.48	54.5
PG48	1.588	59.3	57.78	59.8



### NPT thread to NSI B2.1/ANSI B2.2

螺纹规格 Thread	螺距 (mm) Pitch	外径 (mm) $\phi D_1$	开孔直径 (mm) Hole
NPT 1/4"	1.411	13.616	13.9
NPT 3/8"	1.411	17.055	17.4
NPT 1/2"	1.814	21.223	21.6
NPT 3/4"	1.814	26.568	26.9
NPT 1"	2.208	33.227	33.7
NPT 1 1/4"	2.208	41.984	42.4
NPT 1 1/2"	2.208	48.053	48.5
NPT 2"	2.208	60.091	60.6
NPT 2 1/2"	3.175	72.699	-
NPT 3"	3.175	88.608	-

## IEC61386

Non-Metallic Conduit	Fittings	Compression Strength	Impact Strength	Min. Temp.	Max. Temp.	Bending Properties	Electrical Properties	IP Rating (Solids)	IP Rating (Water)	Tensile Strength
PA Light	RL	2	4	2	4	4	0	6	6	1
PA Standard	RL	2	4	2	4	4	0	6	6	1
PA Heavy	RL	2	4	2	4	4	0	6	6	2
PI Standard	RL	1	3	5	4	4	0	6	6	1
PI Heavy	RL	2	4	5	4	4	0	6	6	1
PRS Standard	RL	2	4	2	4	4	0	6	6	1

### Classification Level

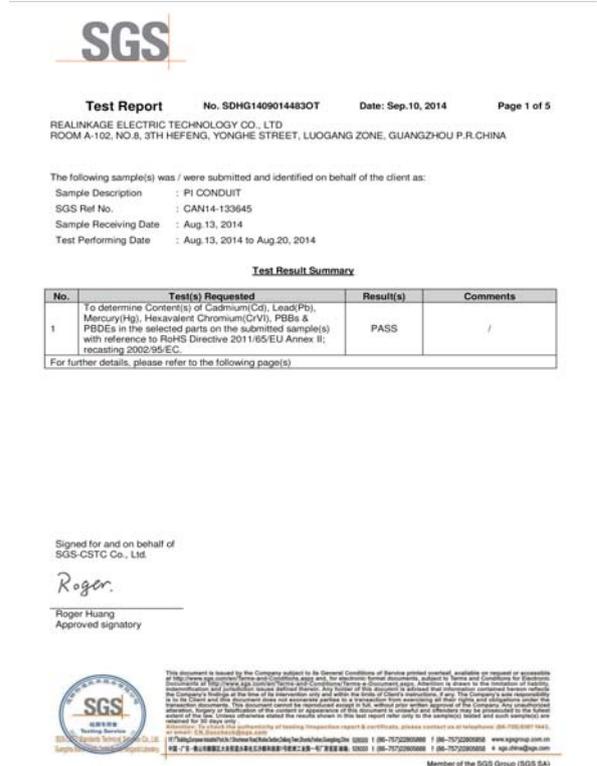
Level	Units	( N )	( J )	( °C )	( °C )					( N )
0										0
1		125	0.5	5	60	Rigid				1
2		320	1	-5	90	Pliable	Conductor			2
3		750	2	-15	105	Semi Rigid	Insulator	3	3	500
4		1250	6	-25	120	Flexible		4	4	1000
5		4000	20	-45	150			5	5	2500
6					250			6	6	
7										7

## Fill factor recommend

Conduit capacity or fill factor arises in the use of cable protection systems is the question of conduit using and assemble. Which a conduit can or should be filled with cables or wire harness based on the available cross-sectional area will affect safety use.

Realinkage recommends that a conduit capacity of 70% not be exceeded. (Application situation and standards must also be considered.)

This ensures that operation is not unnecessarily impaired by increased friction between the individual cables or wire harness in dynamically moving systems.



EN 45545-2: 2013 **Exova** Warringtonfire

### Executive Summary

**Objective** To assess the results of tests performed in accordance with methods T01, T10.03 & T12 on specimens of a product and to provide an opinion of compliance with the requirements for R22 and R23, as defined in EN 45545-2: 2013.

Generic Description	Product reference	Thickness	Density
Polyamide66 (PA66) hose connector product	Trade: Realinkage, Type: RL Series*	3mm	917.96kg/m <sup>3</sup>

Please see page 5 of this test report for the full description of the product tested

**Test Sponsor** Realinkage Electric Technology Co., Ltd, Room A-102 No. 8, 3th He Feng, Yong He Street, Luogang Zone, Guangzhou, P.R. China

**Opinion** We consider the results of the tests to Test Methods References T01, T10.03 & T12 demonstrate that the product, as tested, complies with the requirements, R22 & for a HL1 and HL2 Hazard Level Classification (detailed in Table 5 of EN 45545-2: 2013).

We consider the results of the tests to Test Methods References T01, T10.03 & T12 demonstrate that the product, as tested, complies with the requirements, R23 & for a HL1, HL2 and HL3 Hazard Level Classification (detailed in Table 5 of EN 45545-2: 2013).

### Signatories

Responsible Officer C. Lester Technical Officer	Authorised T. Mast Senior Technical Officer

\* For and on behalf of Exova Warringtonfire.

Report Issued: 20<sup>th</sup> March 2014

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DMT GmbH & Co. KG  
Expert Body for Fire and Explosion Protection

## Certificate

Order No. 20636989a

Fire technical test of a "Nylon Waved Pipe product", according to DIN 54837 and classification of the burning behaviour according to DIN 5510-2

**Manufacturer:** Realinkage Electric Technology Co., Ltd  
Room A-102, NO 8,3th He Feng, Yong He Street, Luogang Zone, Guangzhou, P.R. China

**Date of test / report:** 04<sup>th</sup> of June 2013 / 10<sup>th</sup> of June 2013

**Test specimen:** Nylon Waved Pipe product, Trade: Realinkage, Type PI-13 to PI-54, PIS-13 to PIS-54 and PIH-13 to PIH-54, Material: Polyamid 12, Colour: Black, Thickness: 2 mm to 4 mm

**Test specification:** Examination according to DIN 54837 (12/2007)

**Objective of test:** Evaluation according to DIN 5510 part 2 (05/2009)

**Test results:**  
Class of reaction to fire: **S 4**  
Class of drop behaviour: **ST 2**  
Class of smoke emission: **SR 2**

DMT GmbH & Co. KG  
Expert Body for Fire and Explosion Protection  
Dortmund, 10<sup>th</sup> of June 2013

Tabbart

Püschel

This certificate is valid for the tested objects only. A transfer to other objects is not possible.

The test report for this certificate consists of 8 pages. The certificate is valid in conjunction with the report only.

Member of TÜV NORD Group

# ***Realinkage***

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# ***Realinkage***

