

Electrical and Communication Duct





CHINA LESSO GROUP HOLDINGS LIMITED

Established in 1986, LESSO (Stock Code: 02128.HK) is a global leader in home furnishings and building materials. The Group's business portfolio spans plastic piping, building materials and home furnishings, environmental protection, new energy, supply-chain service platforms and others. It offers a wide range of products such as pipes, photovoltaics, plumbing and sanitary ware, integral kitchen materials, integral doors and windows, aluminum formwork and smart scaffolds, water purifiers, water-proofing materials and sealants, fire-fighting equipment, valves, cables, lighting, hygiene materials, items for environmental protection, agricultural facilities, and oceanic aquaculture cages. In 2023, LESSO's sales revenue reached over USD 4.38 billion.

Since implementing a strategy of globalization and expanding its global presence, LESSO has evolved into a sophisticated multinational. It boasts more than 30 advanced production bases worldwide, broadening its industrial and sales networks to cover Asia, North America, South America, Europe, Africa, and Oceania. This enables LESSO to provide quality products and services for global customers in accordance with its continuously improved strategic layout in a timely and efficient way.

LESSO has founded its R&D center with more than 1,000 scientific researchers, nationally accredited enterprise technology center, and two post-doctoral workstations to support its innovation and technical development. The Group has taken a leading role in the revision of over 120 international and Chinese industry standards. LESSO owns over 3000 patents (some of them are pending), and provides over 10,000 varieties of products, making it one of the most comprehensive manufacturers in the piping industry. Its products are utilized globally in different areas, including home decoration, civil construction, municipal water supply, drainage, energy management, power supply and telecommunications, gas supply, fire-fighting, environmental protection, agriculture, oceanic aquaculture, etc.

True to its idea of "Envisioning the Better, Building the Future", LESSO remains committed to creating a better living environment, and advocating ideal cities featuring greenness, livability, and efficiency. With concerted efforts from various sectors, LESSO will fully play its role in sustaining healthy and beautiful space so that global residents could enjoy a comfortable life.



LESSO Research Institute & Testing Center



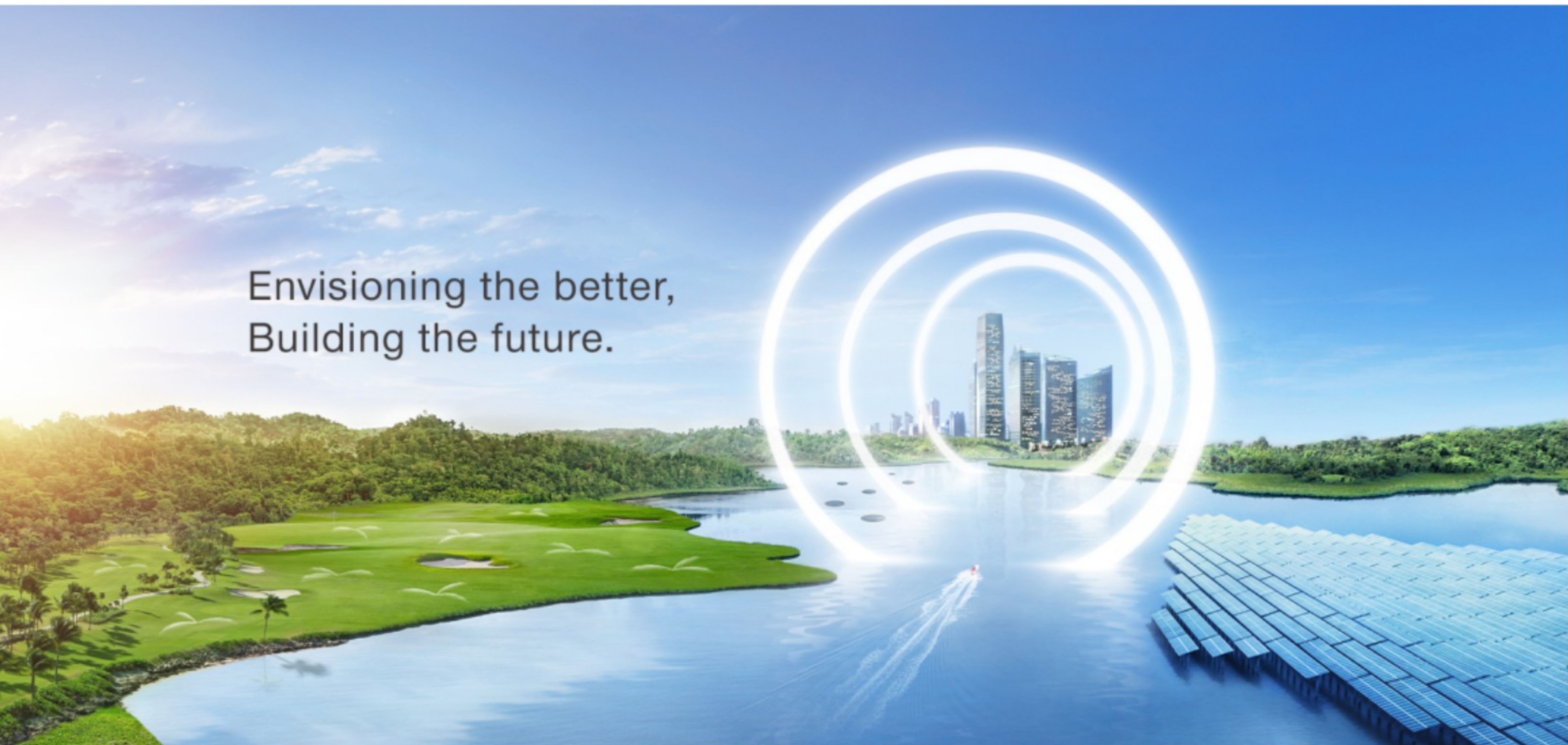
LESSO College



Training Apartment



LESSO Headquarter



Envisioning the better,
Building the future.

Contents

Electrical and Communication Duct

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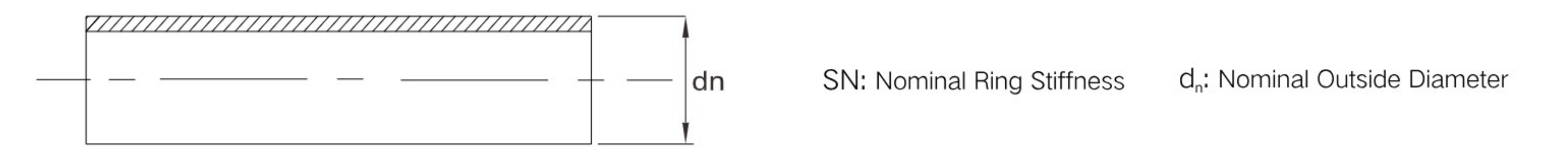
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Features

- ◎ **Excellent physical property:** High tensile strength, excellent flexibility, excellent compressive resistance and impact resistance.
- ◎ **Good corrosion resistance.**
- ◎ **Easy installation:** Light weight and handed friendly.
- ◎ **Environment-friendly:** This product does no harm to the environment and can be recycled.
- ◎ **Long service time.**

Product Specification



Duct	SAP Number (100M)					Ring Stiffness	dn (mm)
	white	yellow	black	red	blue		
	8070030004	8070030182	8070030102	8070030112	8070030035	SN6.3	25
	8070030008	8070030051	8070030105	8070030052	8070030128		32
	8070030011	8070030028	8070030106		8070030129		40
	8070030013		8070030134	8070030031		SN8	25
	8070030015	8070030121	8070030107	8070030116	8070030130		32
	8070030018	8070030123	8070030109	8070030034	8070030027		40
	8070030163		8070030195			SN16	25
	8070030164						28
	8070030165		8070030194				32
	8070030199						40

Duct	SAP Number (200M)					Ring Stiffness	dn (mm)
	white	yellow	black	red	blue		
	8070030005	8070030119	8070030103	8070030113	8070030126	SN6.3	25
	8070030009	8070030049	8070030054	8070030050	8070030053		32
	8070030012						40
	8070030033				8070030032	SN8	25
	8070030016	8070030122	8070030108	8070030022	8070030131		32
	8070030019	8070030124	8070030110	8070030117	8070030132		40
			8070030188			SN16	25
							28
							32
	8070030190		8070030189				40

Duct	SAP Number (300M)					Ring Stiffness	dn (mm)
	white	yellow	black	red	blue		
	8070030006	8070030030	8070030043	8070030114	8070030042	SN6.3	25
	8070030010	8070030041	8070030039	8070030040	8070030038		32
	8070030101						40
	8070030014					SN8	25
	8070030017	8070030025	8070030021	8070030023	8070030026		32
	8070030020	8070030125	8070030111	8070030118	8070030133		40
						SN16	25
							28
							32
	8070030168						40

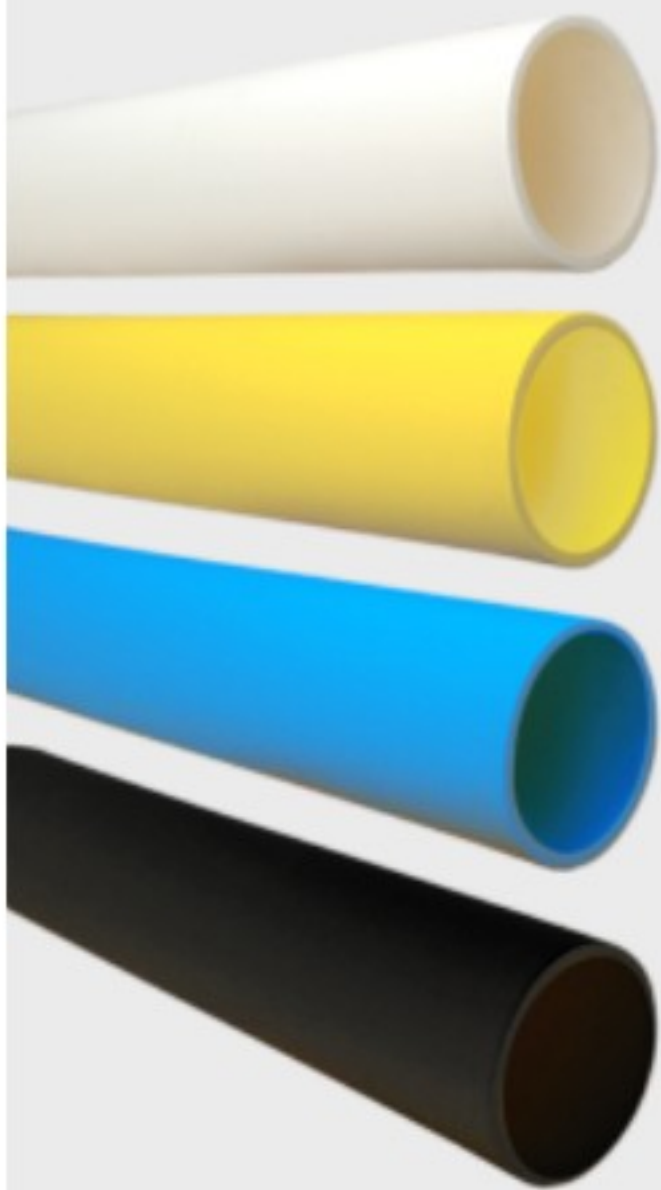
Note: 1. The length is generally 100m, 200m or 300m. Other forms are available upon request.
2. Color is red, blue, yellow, white or black. Other colors are available upon request.
3. Ducts are supplied in coil.

Features

- ◎ **Excellent physical property:** High tensile strength, excellent flexibility, excellent compressive resistance, impact resistance, earthquake resistance .
- ◎ **Good corrosion resistance.**
- ◎ **Easy installation:** Use butt fusion joint or socket-weld joint.
- ◎ **Environment-friendly:** This product does no harm to the environment and can be recycled.
- ◎ **Long service time.**
- ◎ **Light weight:** Easy operation and low installation costs.

Product Specification

SN: Nominal Ring Stiffness d_n: Nominal Outside Diameter

Duct	SAP Number (6M)				Ring Stiffness	dn (mm)
	white	yellow	black	blue		
	8070060004	8070060142	8070060055	8070060017	SN6.3	50
	8070060005		8070060182			63
	8070060112	8070060137	8070060129	8070060139		75
	8070060114		8070060165	8070060168		90
	8070060108	8070060136	8070060126	8070060138		110
	8070060109			8070060169		125
	8070060110	8070060178	8070060127	8070060161	SN8	160
	8070060011		8070060076	8070060193		50
	8070060012		8070060093			63
	8070060120	8070060192	8070060183	8070060140		75
	8070060124		8070060135			90
	8070060115	8070060190	8070060131			110
	8070060117		8070060132			125
	8070060118	8070060191	8070060133	8070060185	SN16	160
	8070060094		8070060162			50
	8070060074	8070060180		8070060181		75
	8070060075		8070060163			90

Note: 1. The length is generally 6m.Other forms are available upon request.
2. Color is blue, yellow, white or black.

Duct	SAP Number				Size (mm)	Qty/Ctn
	white	yellow	black	blue		
	8070080021		8070080013		25	30×12
	8070080012	8070080058	8070080054	8070080061	28	
	8070080011	8070080059	8070080079		32	20×12
	8070080022		8070080067		40	16×12
	8070080023	8070080073	8070080066	8070080062	50	120
	8070080024		8070080068	8070080063	63	80
	8070080008		8070080065	8070080069	75	60
	8070080007				90	30
	8070080018	8070080057	8070080064	8070080060	110	16
	8070080014				125	
	8070080019	8070080072	8070080052	8070080078	160	6



Standard: YD/T 841.2-2016, Q/LS 84-2019

Plug (with holes)	SAP Number	Description	Qty/Ctn
	8070080016	Three Holes	120
	8070080015	Four Holes	100

Plug	SAP Number	Size (mm)	Qty/Ctn
	8070240001	32	

Duct Pillow (PE)	SAP Number	Size (mm)	Qty/Ctn
	8130058634	50	
	8070080074	63	
	8070080075	75	
	8070080076	90	

Pillow Pin II (PE)	SAP Number	Size (mm)	Qty/Ctn
	7500240011	Compatible	

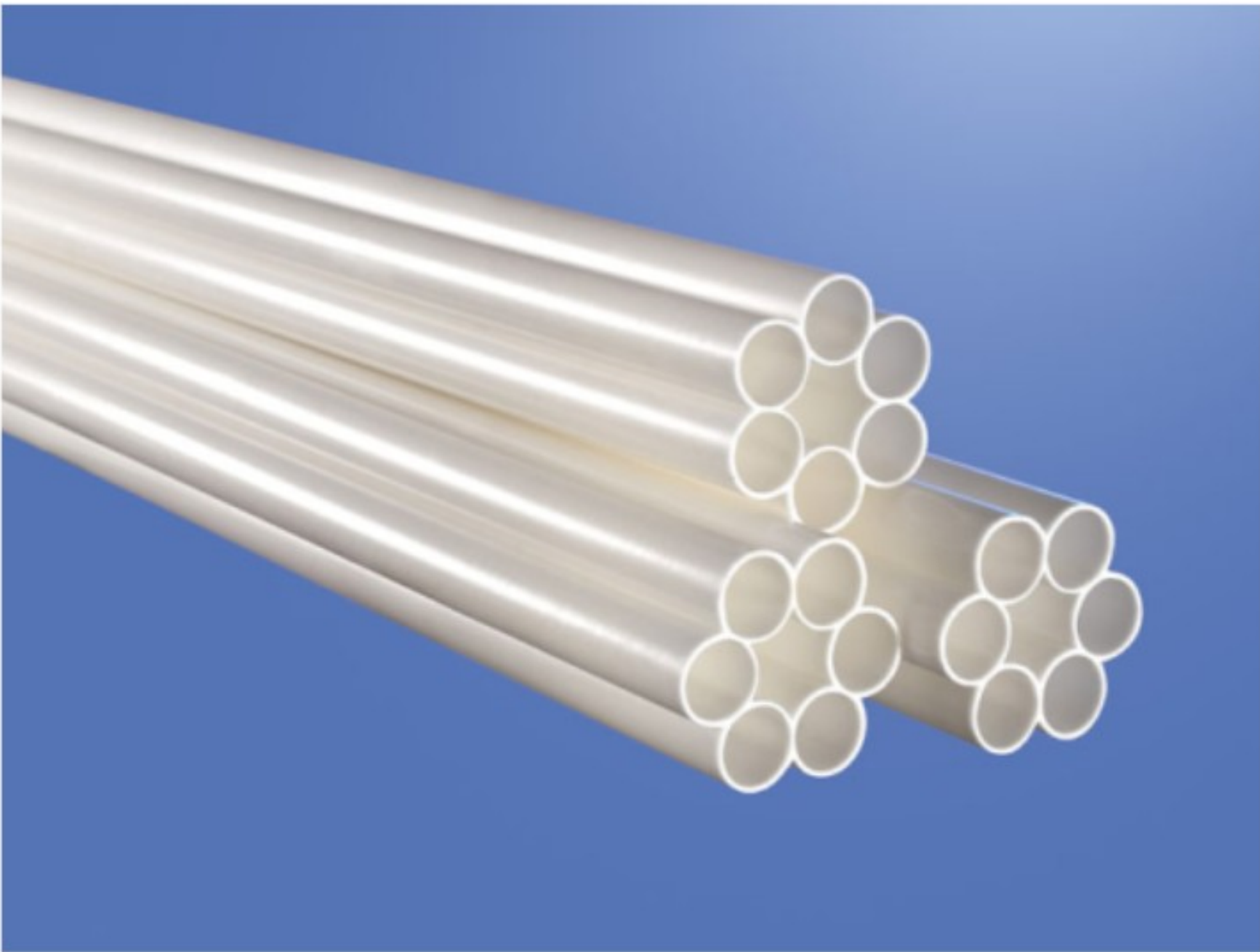
Duct Pillow (PE)	SAP Number	Size (mm)	Qty/Ctn
	8070080003	110	
	8070080071	125	
	8070080004	160	
	8070080005	167	

Pillow Pin (PE)	SAP Number	Size (mm)	Qty/Ctn
	8070080006	Compatible	

Note: 1.Every pillow should be placed in every 1.5 meter, and 0.5 meter from the joint. The pillow is held fimly by a special pillow pin.
2.PE pillow is available for the PVC pipe.

Features

- ◎ **Excellent physical property:** Integrate construction,high intensity.
- ◎ **Good corrosion resistance.**
- ◎ **Easy installation:** Duct with multi-hole makes installation easy and convenient, and reduce the costs at the same time.
- ◎ **Environment-friendly:** This product does no harm to the environment and can be recycled.
- ◎ **Long service time.**
- ◎ **High efficiency:** Each hole rank tightly, improve the utilization rate of the communication hole.



Product Specification

Duct	SAP Number (6M)	SAP Number (5.8M)	Description	Size (mm)	Inner Diameter of Hole(mm)
			Four Holes	★ 32×2.2/2.0×4	32
			Five Holes	★ 32×2.2/2.0×5	32
	8070070002	8070070011	Seven Holes	32×2.2/2.0×7	32
Note: 1. The length is generally 6m、 5.8m.Other forms are available upon request. 2. External wall thickness of ducts is 2.2, internal wall thickness is 2.0. (Unit: mm)					

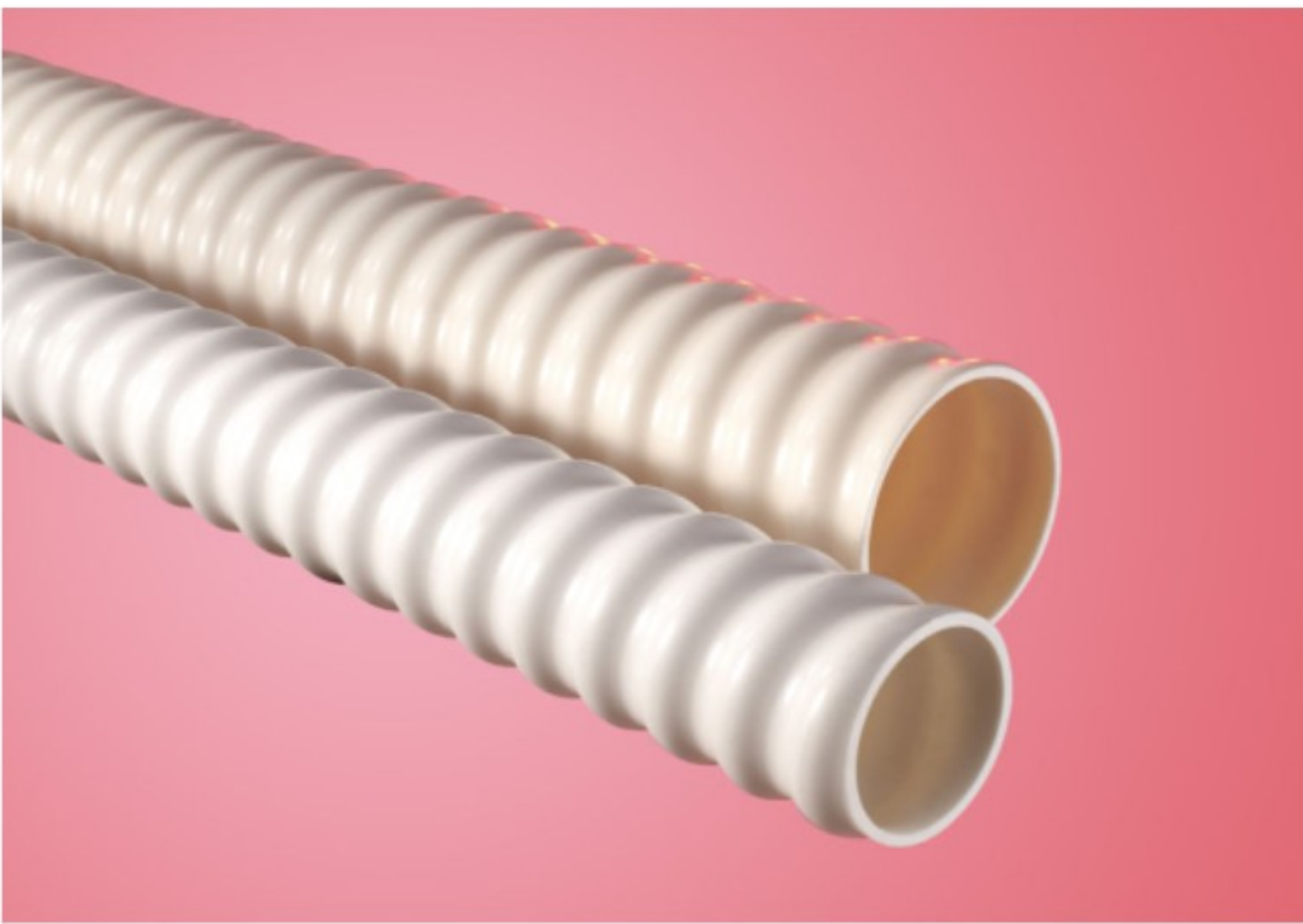
Coupling	SAP Number	Description	Qty/Ctn
	8070080010	★ Four Holes	
	8070080009	★ Five Holes	
	8070080001	Seven Holes	24

Plug	SAP Number	Size(mm)	Qty/Ctn
	8070080002	32×7	

Note: * The product mold marked as "★" on this page has not been improved, please note.

Features

- ◎ **Light weight:**
The walls become thinner because of the spiral technique, then, makes transport and nstallation more easier.
- ◎ **Higher ring stiffness:**
Use spiral structure to get higher ring stiffness, so that it can bear load effectively and not easy to deform.
- ◎ **Terrain adaptability:**
Excellent tensile strength and fracture resistance.
- ◎ **Good corrosion resistance.**
- ◎ **Good insulation performance:**
Effectively avoid the phenomenons of eddy current while transforming the electricity .
- ◎ **Good heat dissipation:**
The wires in the ducts are suspended in midair, so that heat disperses evenly.
- ◎ **Simple connection:** Use spiral connection, and no need to use auxiliary equipments.
- ◎ **High efficiency to wiring:** The contact area of wires and duct is much less as the duct's structure is spiral, makes drawing easier.



Application

- 1. Telecom, power and broadcast network expansion and renovation.
- 2. Agricultural irrigation. 3. Ventilation. 4. Sewage systems.

Product Specification

Duct	SAP Number (white/6M)	SAP Number (black/6M)	Nominal Diameter (mm)	Ring Stiffness
	8070010001		110	SN4
	8070010002	8070010012	110	SN8
	8070010010	8070010013	125	SN6.3
	8070010011	8070010014	140	SN6.3
	8070010003		160	SN4
			★ 180	SN4
			★ 200	SN4

Note: 1.The length is generally 6m.Other forms are available upon request. 2.Color is white or black.

Coupling	SAP Number (white)	SAP Number (black)	Size (mm)	Wall Thickness (mm)	Coupling	SAP Number (white)	Size (mm)
	8070020010	8070020016	125	3.2		8070020022	110
	8070020011	8070020017	140	3.5		8070020021	160
	8070020013	8070020019	★ 180	4.2			
	8070020014	8070020020	★ 200	4.5			

Note: * The product mold marked as "★" on this page has not been improved, please note.

Features

- ◎ Use flaring adhesive joint, makes installation convenient.
- ◎ Excellent insulation performance.
- ◎ Excellent ring stiffness.
- ◎ Good Corrosion resistance.
- ◎ Long service time.



Product Specification

Duct	SAP Number (plain end/6M)	Ring Stiffness	Nominal Diameter (mm)	Wall Thickness (mm)
	8070180125	SN4	110	2.4
	8070180001	SN6.3	50	1.6
	8070180004		63	1.8
	8070180008		75	2.0
	8070180011		90	2.2
	8070180015		110	2.8
	8070180022		125	3.3
	8070180024		160	4.2
	8070180003	SN8	40	1.6
	8070180006		50	1.8
	8070180009		63	2.0
	8070180012		75	2.2
	8070180013		90	2.5
	8070180020		110	3.2
	8070180103		125	3.6
	8070180025		160	4.7
	8070180177	SN12.5	40	1.8
	8070180158		50	2.0
	8070180126		110	3.6
	8070180135		160	5.8
	8070180127	SN16	40	2.0
	8070180155		50	2.2
	8070180139		110	4.0
	8070180136		160	6.2

Note: The length is generally 6m. Other forms are available upon request.

Long Sweep Bend	SAP Number	Size (mm)	Wall Thickness (mm)	Qty/Ctn	Plug (Gasket)	SAP Number	Size (mm)	Qty/Ctn
	8070190003	50	1.8			8070190009	40	
	8070190004	63	2.0			8070190010	50	
	8070190005	75	2.2			8070190011	63	
	8070190006	90	2.5			8070190012	125	
	8070190001	110	3.2					
	8070190007	125	3.3		Note: Other specifications need to be matched with the plug, which can be selected by referring to the plug(PVC) in the series of "PVC-C Underground Power Cable Duct" .			
	8070190008	125	3.6					
	8070190002	160	4.7					

Features

- ◎ Smooth inner wall, low friction coefficient, be suitable for wiring.
- ◎ Good Corrosion resistance, better than metal duct and concrete duct.
- ◎ Good abrasion resistance.
- ◎ Easy installation: Light weight and gasketed joint, make installation easy and convenient.



Product Specification

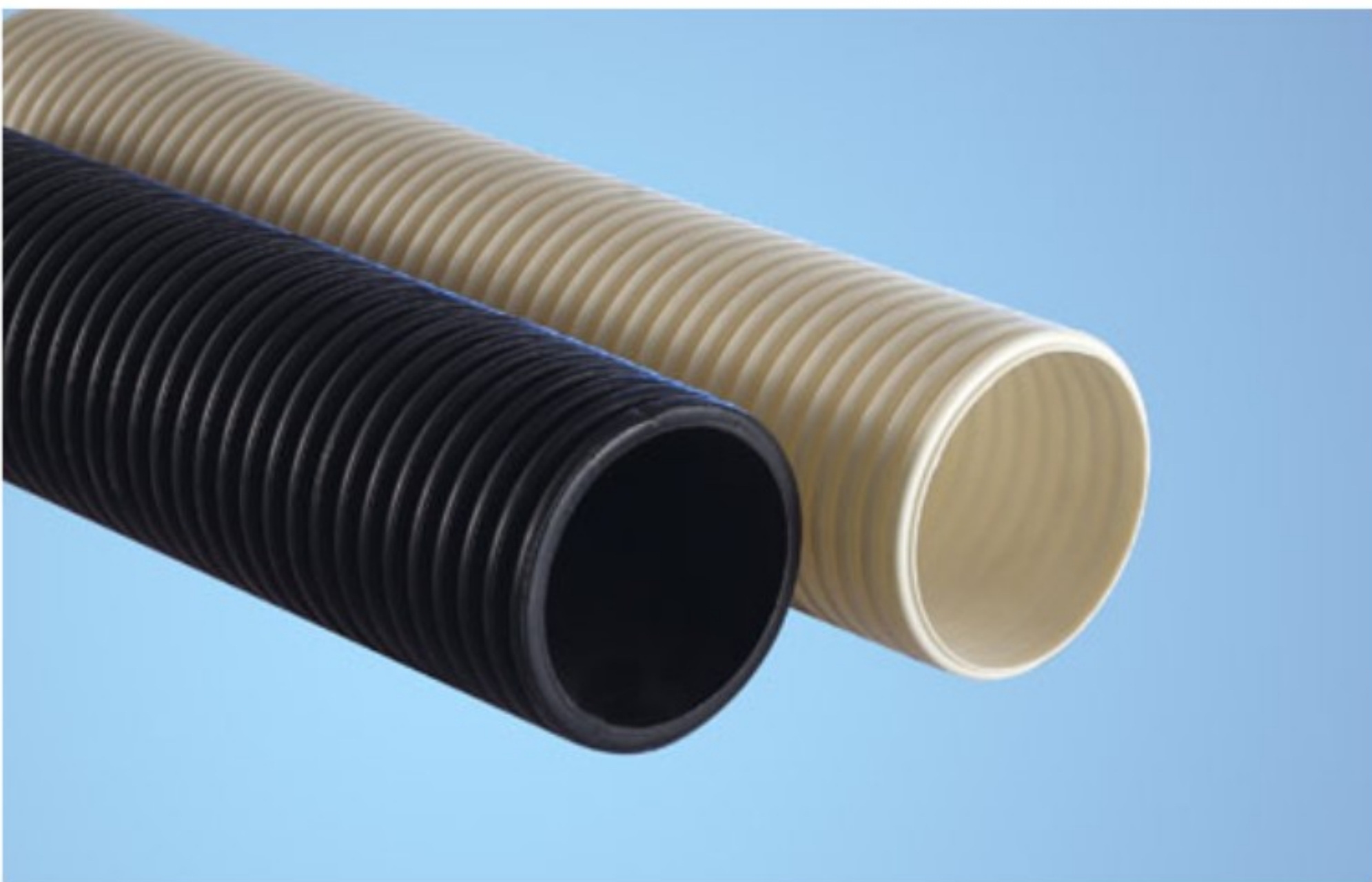
Duct	SAP Number (6M)	Ring Stiffness	Nominal Diameter (mm)
	8070200009	SN6.3	63
	8070200011		75
	8070200013		90
	8070200002		110
	8070200005		160
	8070200007		200

Note: The length is generally 6m. Other forms are available upon request.

Gasket	SAP Number	Size (mm)	Qty/Ctn
	8070210004	63	
	8070210005	75	
	8070210006	90	
	8070210001	110	
	8070210002	160	
	8070210003	200	

Features

- ◎ High intensity, excellent compressive resistance and impact resistance.
- ◎ Movement resistance. Low requirements for foundation treatment, suitable for soft soil or quicksand foundation.
- ◎ Easy installation, effectively prevent the liquids' penetration.
- ◎ Smooth internal wall and low friction factor.
- ◎ Good Corrosion resistance.
- ◎ Light weight,easy to transport and install.



Product Specification

Duct	SAP Number (6M)	Ring Stiffness	Nominal Diameter (mm)
	8070040001	SN6.3	63
	8070040002		75
	8070040003		90
			110

Coupling	SAP Number	Size(mm)	Qty/Ctn
	8070050001	63	56
	8070050002	75	40
	8070050003	90	30
		110	

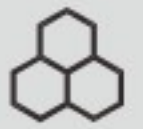
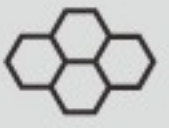
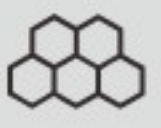
Gasket	SAP Number	Size(mm)	Qty/Ctn
	8070050004	63	
	8070050005	75	
	8070050006	90	
		110	

Features

- ◎ Good corrosion resistance.
- ◎ Excellent electrical insulation.
- ◎ Each hole rank tightly,improve the utilization rate of the communication hole.
- ◎ Integrate construction, high intensity.
- ◎ Well-organized multi-hole. Easy and convenient to wiring.
- ◎ Low installation costs.
- ◎ Long service time.



Product Specification

Duct	SAP Number (6M)	Description	Size (mm)	Inner Diameter of Hole(mm)
	8070130005	 Three Holes	32×2.0/1.6×3	32
	8070130006	 Four Holes	32×2.0/1.6×4	32
	8070130008	 Five Holes	32×2.0/1.6×5	32
	8070130002	 Seven Holes	32×2.0/1.6×7	32

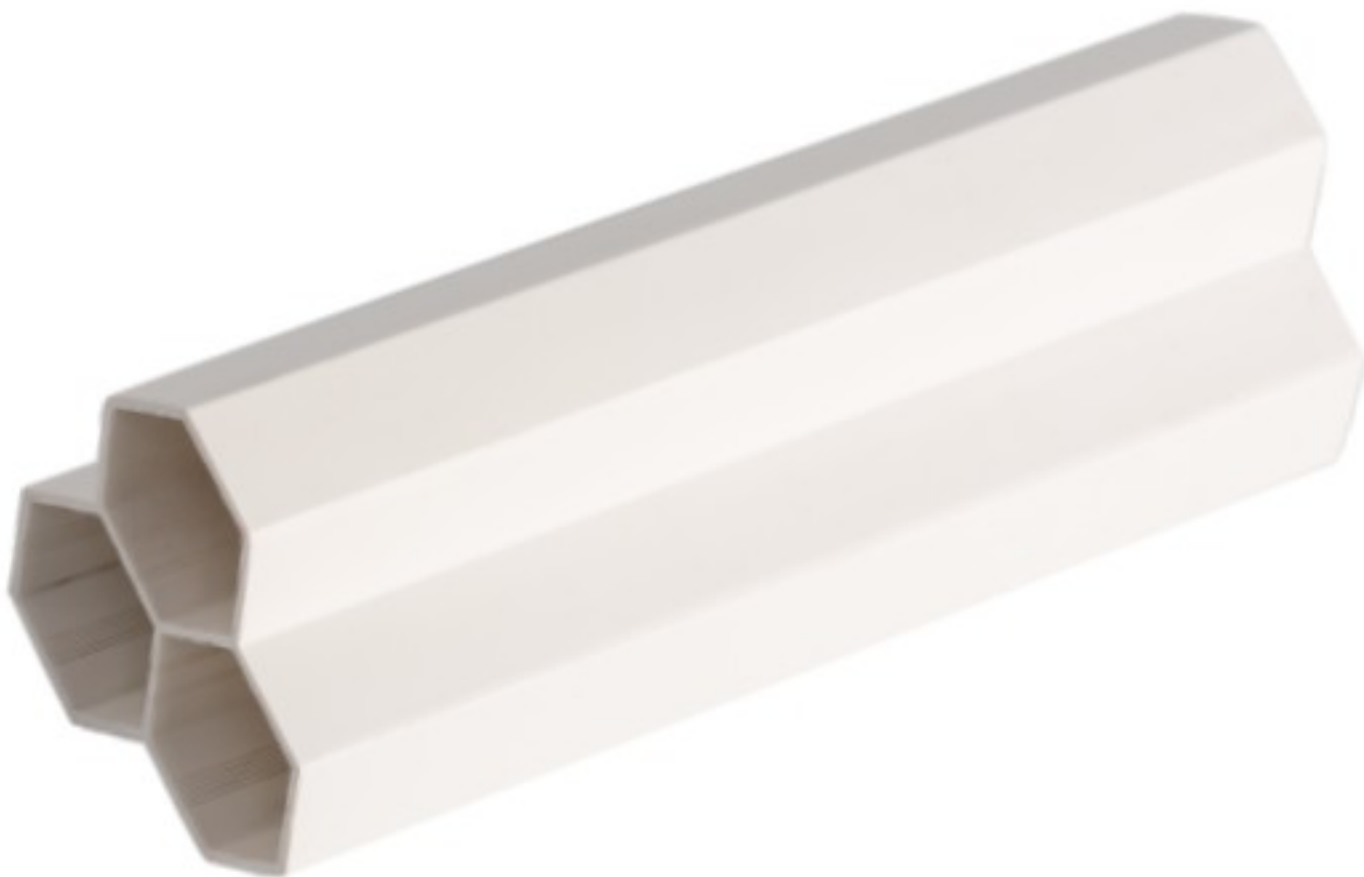
Note:
If the three holes honeycomb duct and five holes honeycomb duct need to be matched with the plug, which can be selected by referring to the three holes honeycomb duct plug 33x3 and five holes honeycomb duct plug 33x5 in the series of "PVC-U Honeycomb Duct For Buried Telecommunication Conduit (Type II)".

Coupling	SAP Number	Description	Size (mm)	Qty/Ctn
	8070140003	Three Holes	32×3	65
	8070140004	Four Holes	32×4	55
	8070140005	Five Holes	32×5	45
	8070140002	Seven Holes	32×7	26

Plug	SAP Number		Size (mm)	Qty/Ctn
	8070140001		32×2.0/1.6×7	

Features

- ◎ Good corrosion resistance and excellent electrical insulation.
- ◎ The holes position separation is clear,easy and convenient to wiring.
- ◎ Each hold rank tightly,improve the utilization rate of the communication hole.
- ◎ There are many holes in one pipe,with convenient and quick construction,low project cost.
- ◎ Well-organized multi-hole,high intensity,long service life.
- ◎ Excellent pressure resistance for laying.
- ◎ Good weather resistance,extensive use range.



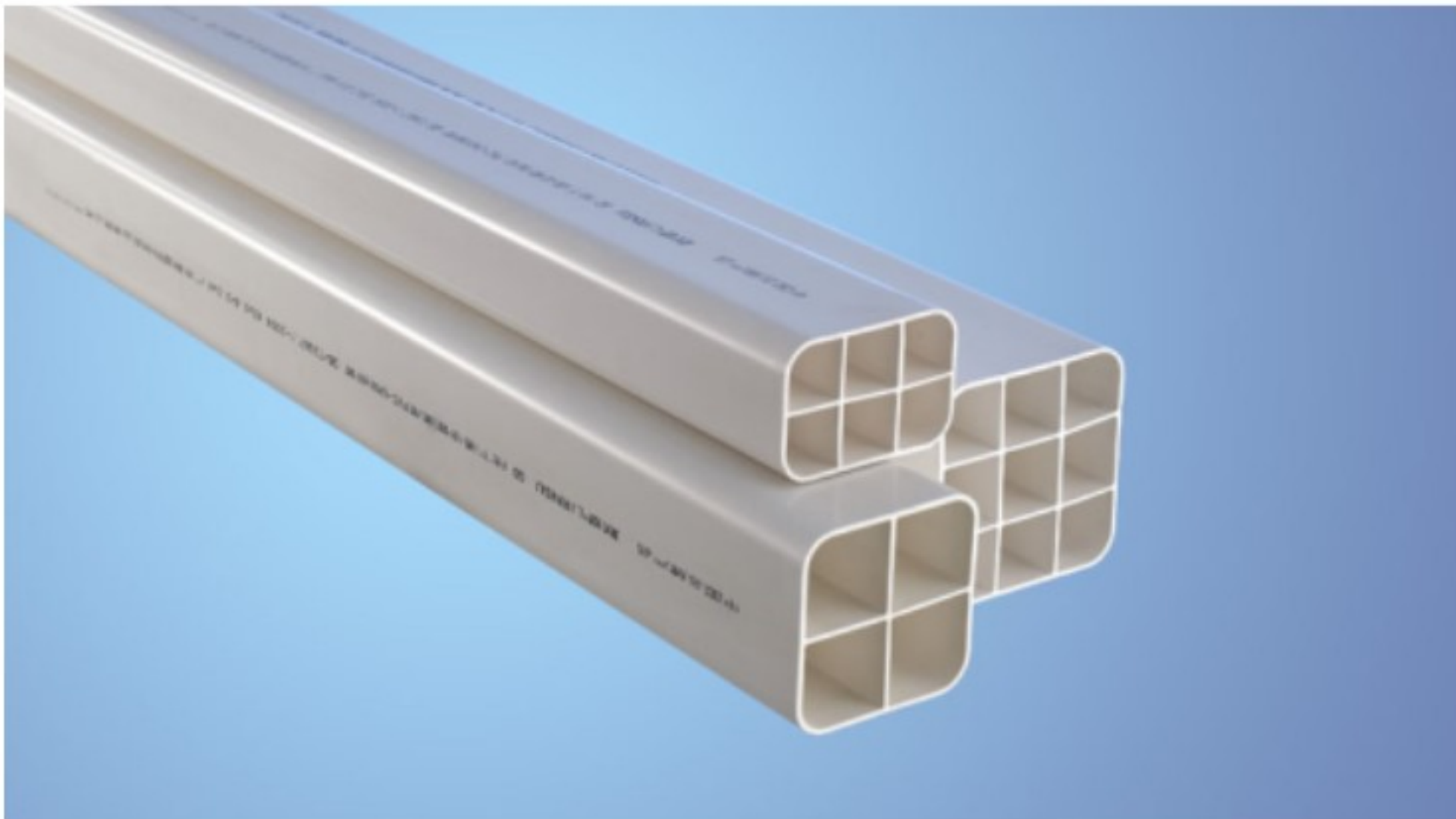
Product Specification

Duct	SAP Number	Size (mm)	Number of Holes	Inner Diameter of Hole (mm)
Three holes honeycomb duct (Type II)	8070130045	SVFY 28×3	3	28
	8070130046	SVFY 33×3	3	33
Five holes honeycomb duct (Type II)	8070130043	SVFY 28×5	5	28
	8070130044	SVFY 33×5	5	33
Seven holes honeycomb duct (Type II)	8070130042	SVFY 28×7	7	28
	8070130040	SVFY 33×7	7	33

Coupling	SAP Number	Size (mm)	Plug	SAP Number	Size (mm)
Three holes honeycomb duct coupling (Type II)	8070140020	28×3		8070140026	28×3
				8070140031	33×3
Five holes honeycomb duct Coupling (Type II)	8070140034	28×5		8070140027	28×5
				8070140032	33×5
Seven holes honeycomb duct Coupling (Type II)	8070130025	28×7		8070130030	28×7
	8070130024	33×7		8070140028	33×7

Features

- ◎ Good corrosion resistance.
- ◎ Excellent electrical insulation.
- ◎ Each hole rank tightly, improve the utilization rate of the communication hole.
- ◎ Integrate construction, high intensity
- ◎ Well organized multi-hole.Easy and convenient to wiring.
- ◎ Low installation costs.
- ◎ Long service time.



Product Specification

Duct	SAP Number (6M)	SAP Number (5.8M)	Description	Size (mm)	Number of Holes	Inner Diameter of Hole(mm)
	8070150009	8070150026	Four Holes	42×2.8/2.0×4	4	42
	8070150011		Five Holes	28/42.8×2.0/1.6×5	5	28/42.8
	8070150007		Six Holes	28×2.0/1.6×6	6	28
	8070150008			33×2.2/1.8×6		33
	8070150002		Nine Holes	28×2.0/1.6×9	9	28
	8070150004	8070150003		33×2.2/1.8×9		33

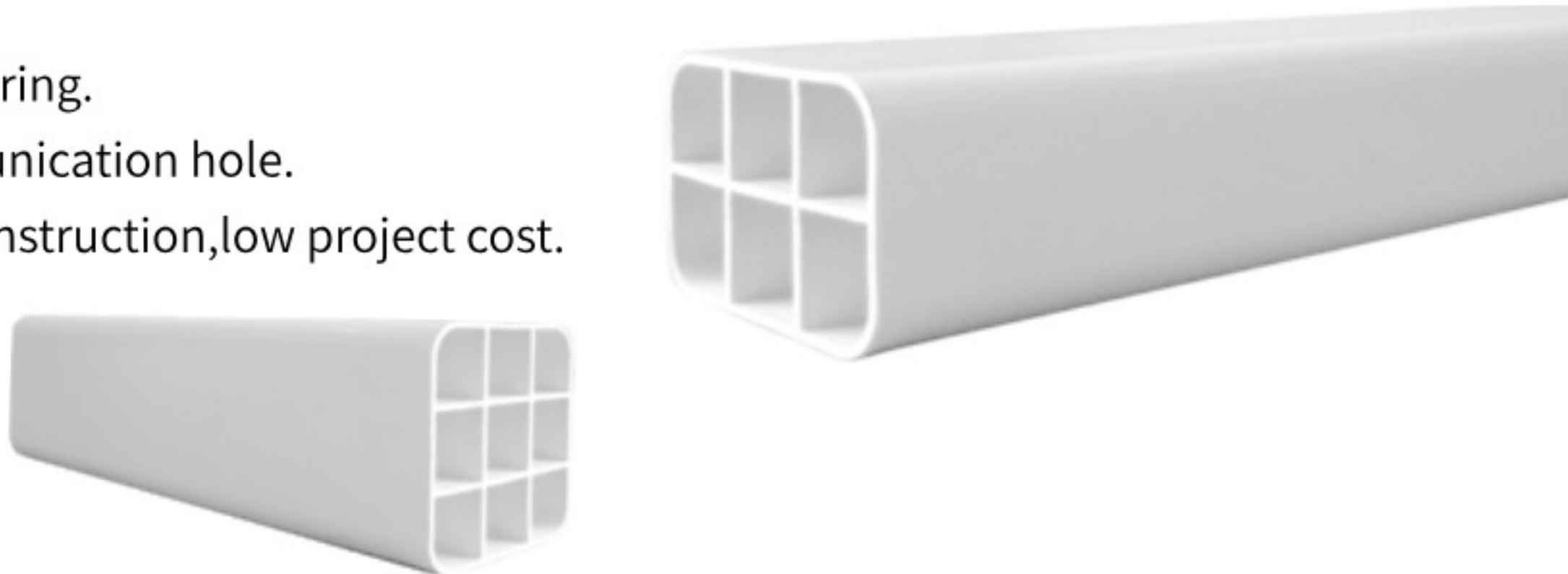
Note: The length is generally 6m、5.8m. Other forms are available upon request.

Coupling	SAP Number	Size(mm)	Qty/Ctn
	8070160005	42×4	30
	8070160006	28/42.8×5	45
	8070160003	28×6	52
	8070160004	33×6	40
	8070160001	28×9	30
	8070160002	33×9	27

Plug	SAP Number	Size(mm)	Qty/Ctn
	8070160012	42×4	
	8070160007	28/42.8×5	
	8070160008	28×6	
	8070160010	33×6	
	8070160009	28×9	
	8070160011	33×9	

Features

- ◎ Good corrosion resistance and excellent electrical insulation.
- ◎ The holes position separation is clear,easy and convenient to wiring.
- ◎ Each hold rank tightly,improve the utilization rate of the communication hole.
- ◎ There are many holes in one pipe,with convenient and quick construction,low project cost.
- ◎ Well-organized multi-hole,high intensity,long service life.
- ◎ Excellent pressure resistance for laying.
- ◎ Good weather resistance,extensive use range.



Product Specification

Duct	SAP Number (6M)	Size (mm)	Number of Holes	Inner Diameter of Hole (mm)	Section height × Section width (outer diameter)	Outer wall thickness	Inner wall thickness
	8070150032	SVSY28×3	3	28	91.6×32.4	2.2	1.6
	8070150033	SVSY28×4	4	28	61.6×61.6	2.0	1.6
	8070150034	SVSY33×4	4	33	72.2×72.2	2.2	1.8
	8070150049	SVSY42×4	4	42	91.8×91.8	2.8	2.2
	8070150035	SVSY50×4	4	50	109×109	3.2	2.6
	8070150045	SVSY28×6	6	28	91.6×62	2.2	1.6
	8070150046	SVSY33×6	6	33	107×72.2	2.2	1.8
	8070150050	SVSY28×9	9	28	92.4×92.4	2.4	1.8
	8070150048	SVSY33×9	9	33	107.8×107.8	2.4	2.0

Note: If SVSY 28x6 and SVSY 33x6 need to be matched with ductcoupling, which can be selected by referring to PVC-U grill plug in the series of "PVC-U Grille Duct" .

Three holes grill ductcoupling(Type II)	SAP Number	Size (mm)
		28×3

Nine holes grill ductcoupling (Type II)	SAP Number	Size (mm)
	8070160034	33×9

Four holes grill ductcoupling (Type II)	SAP Number	Size (mm)
	8070160021	dn62(28×4)
	8070160022	33×4
	8070160024	dn92(42×4)
	8070160023	dn110(50×4)

Grill duct plug	SAP Number	Size (mm)
	8070160028	28×3
	8070160029	28×4
	8070160030	33×4
	8070160031	50×4

Note:
Other specifications need to be matched with plug, which can be selected by referring to the PVC-U grill plug in the series of "PVC-U Grille Duct".

Features

- ◎ Good corrosion resistance and excellent electrical insulation.
- ◎ The product section adopts the inner and external composite structure, structural innovation.
- ◎ Well-organized multi-hole,high intensity,long service life.
- ◎ Excellent pressure resistance for laying.
- ◎ Good weather resistance,extensive use range.
- ◎ Square hole reinforced pipe plug.



Product Specification

Duct	SAP Number	Size(mm)	Wall Thickness(mm)
	8070310001	62	2.3
	8070310003	92	3.2
	8070310002	110	4.0

Note: This series of products need to be matched with a duct coupling,
which can be selected by referring to the four-hole grill ductcoupling in the series of "PVC-U Grill Duct II".

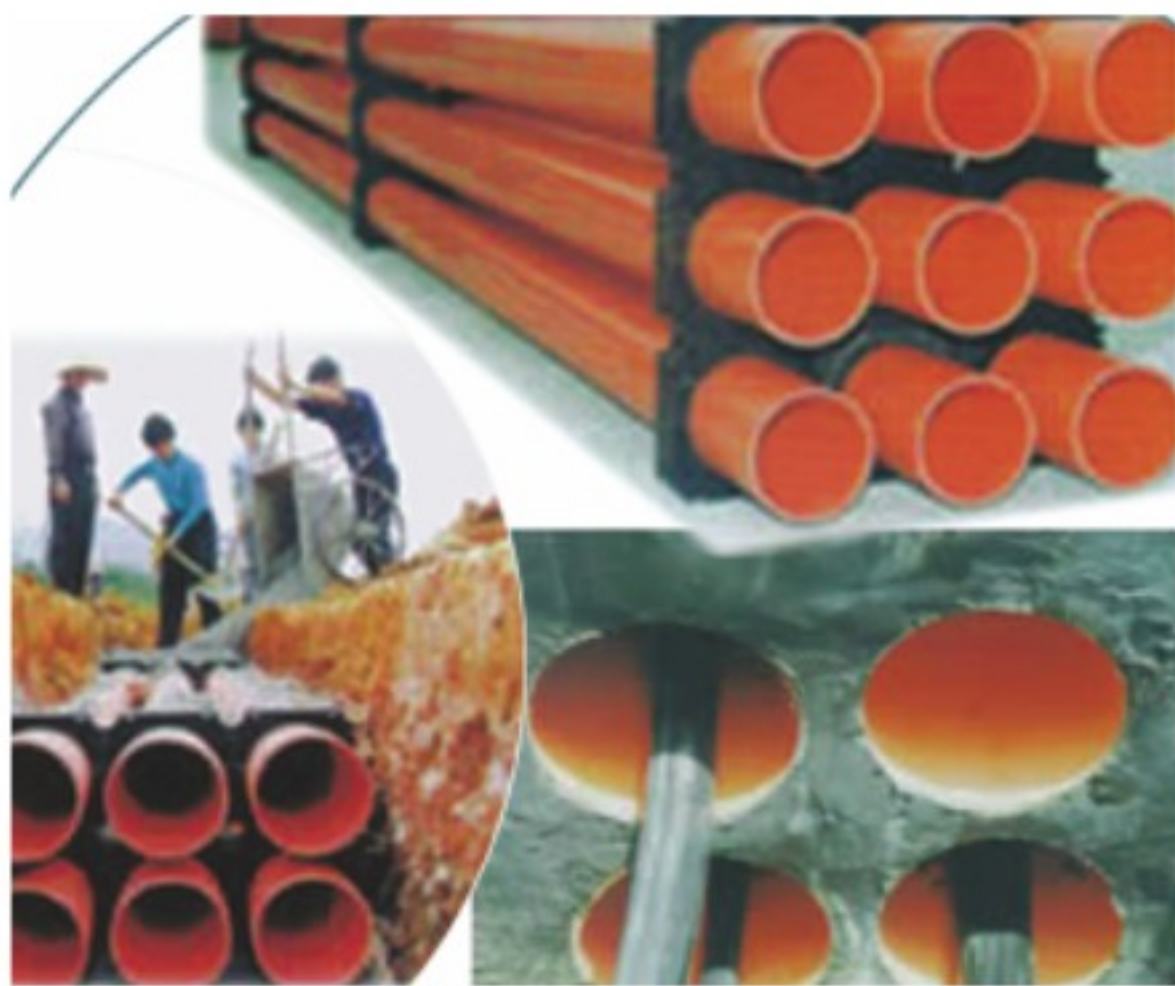
Plug	SAP Number	Size(mm)	-----
	8070160025	dn62	--
	8070160026	dn92	--
	8070160027	dn110	---

Features

- ◎ High flexibility,high temperature resistance,not easy to crack.
- ◎ Excellent insulation,the volume resistivity $\geq 1.0\times 10^{\Omega\cdot m}$
- ◎ Excellent flame retardancy,oxygen index ≥ 40 .
- ◎ Excellent corrosion resistance.
- ◎ Long service time.
- ◎ Light weight.

Product instruction

1. Product color: Orange.
2. Smooth internal and external walls,no bubbles,no cracks,no obvious wrinkle,no pit or discoloration line on the surface, with well cut ends.



Product Specification

Duct	SAP Number (plain end/6M)	SAP Number (plain end/5.8M)	SAP Number (belled end/6M)	SAP Number (belled end/5.8M)	Nominal Diameter (mm)	Wall Thickness (mm)
	8070110001	8070110034		8070110253	75	3.0
	8070110017			8070110254	75	5.0
	8070110010	8070110152			90	4.0
	8070110004	8070110155	8070110416		110	3.2
	8070110006	8070110126	8070110417	8070110032	110	4.0
	8070110013	8070110156	8070110418	8070110255	110	5.0
	8070110206	8070110200			139	5.0
	8070110019	8070110199			139	6.0
	8070110008	8070110129	8070110419		160	4.0
	8070110015	8070110153	8070110125	8070110033	160	5.0
	8070110020				167	6.0
	8070110026	8070110350			167	8.0
	8070110022				192	6.5
	8070110146				192	8.5
	8070110028	8070110145			200	8.5
	8070110023				219	7.0
	8070110128				219	9.5

Note: The length is generally 5.8m.Other forms are available upon request.

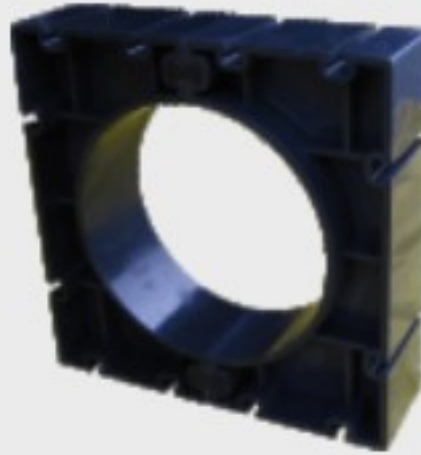
Standard: QB/T 2479-2005, Q/LS 84-2019

Long Sweep Bend	SAP Number	Size (mm)	Wall Thickness (mm)
	8070120015	75	3.0
	8070120016	90	4.0
	8070120013	110	4.0
	8070120028	139	6.0
	8070120014	160	4.0
	8070120029	167	6.0
	8070120030	167	8.0
	8070120082	192	6.5
	8070120083	192	8.5
	8070120084	219	7.0
	8070120085	219	9.5

Plug	SAP Number	Size (mm)	Qty/Ctn
	8070120011	75	144
	8070120012	90	75
	8070120007	110	84
	8070120008	160	36
	8070120009	167	36
	8070120010	200	20

Plug (Gasket)	SAP Number	Size (mm)
	8070120068	139
	8070120069	219
	8070120074	192

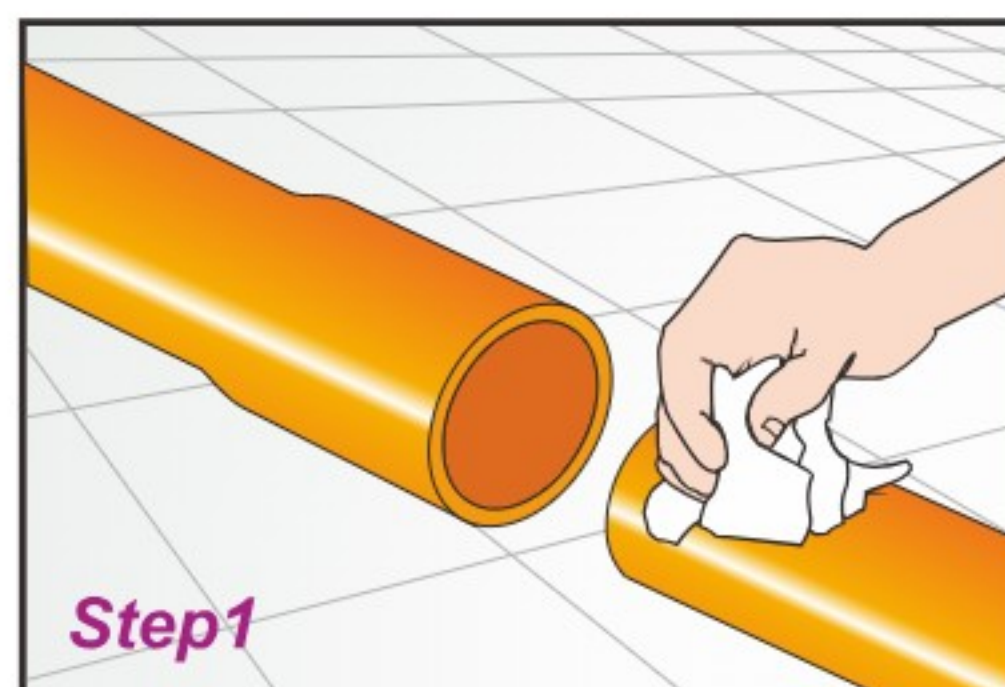
Coupling (PVC)	SAP Number	Size (mm)
	8070120059	75
	8070120052	90
	8070120053	110
	8070120054	139
	8070120055	160
	8070120056	167
	8070120067	192
	8070120061	200
	8070120062	219

Duct Pillow (PVC)	SAP Number	Size (mm)
	8070120021	75
	8070120025	90
	8070120001	110
	8070120022	125
	8070120023	139
	8070120002	160
	8070120003	167
	8070120004	180
	8070120026	192
	8070120005	200
	8070120024	219
	8070120006	Compatible
Note: Every pillow should be placed in every 1.5 meter, and 0.5 meter from the joint.The pillow is held fimly by a special pillow pin.		

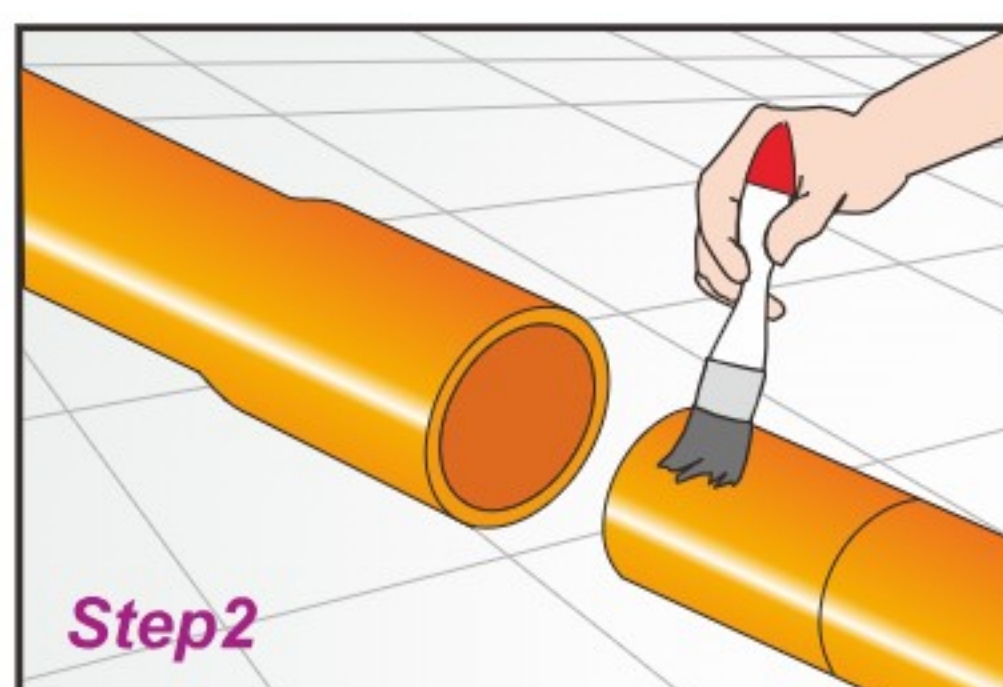
Note:
Plug (PVC), plug(Gasket), pillow(PVC), coupling(PVC)be used with PVC solid-wall duct for underground communication conduit of the same specification.
Pillow(PVC) can be used with PE solid-wall duct for underground communication conduit of the same specification.

Installation

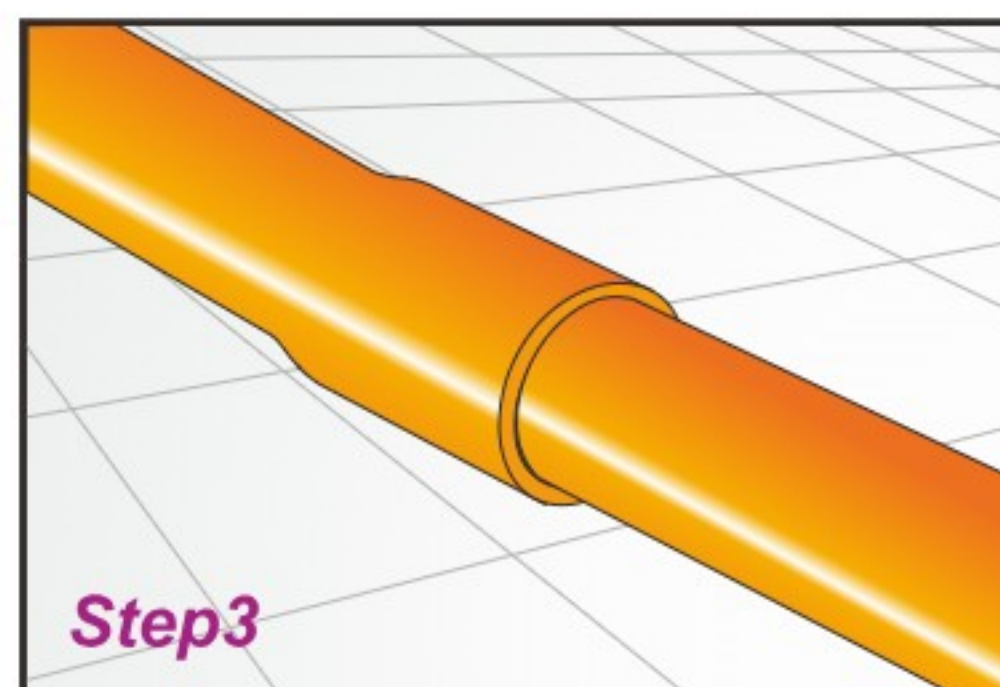
[Solvent-weld joint]



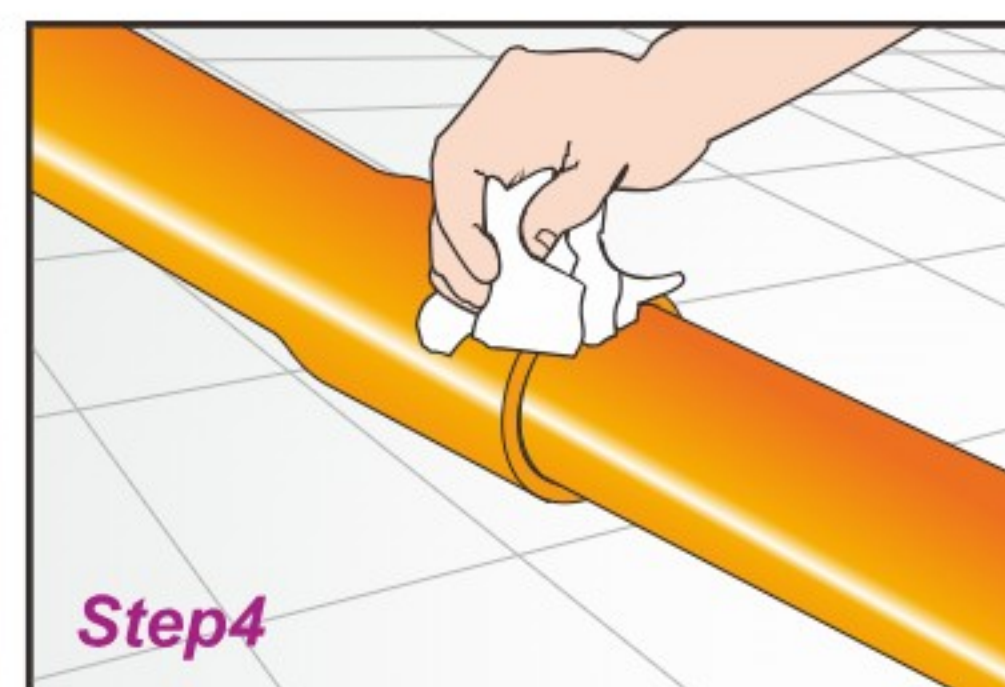
© Cleaning.



© Applying the solvent cement swiftly and evenly on the plain end of the ducts.



© Connecting the ducts swiftly.



© Cleaning up the solvent cement on the surface.

Digging and backfilling

1. Ensure the stability of the soil on both sides while digging to guarantee the conditions of "earth-soil work together".
2. Control the height of the trench strictly while digging.
3. Build a proper drainage system to prevent the ducts being soaked in the water.
4. The width at the bottom of the trench should follow the demand of ducts assembling, backfilling and drainage. Usually the minimum width should be no less than the width of the ducts pillow.



Ducts assembling

1. The duct is usually buried 0.8m deep below the surface of the ground. Solvent-weld joint should be applied. The end of a duct to be put in another should be marked first. Then, make sure the duct reaches the mark.
2. Less than 2 degree's rotor angle should be acceptable while assembling.
3. Use artificially backfilling. Any sundries as hard or sharp stones in the backfilling soil is not allowed within 30cm around the ducts. Tamp each layer while backfilling.
4. Not allowed to expose the ducts to the sun, not allowed to hit, throw or press heavily while transporting.
5. Keep the ducts away from heat. Ducts should be piled up rationally, and the height should not exceed 1.5m. Ducts should be placed in cross to avoid deformation, and covered in outdoor storage.





Standard: Q/LS 84-2019 , DL/T 802.3-2007

Features

- ◎ Excellent corrosion resistance, like acid, alkali and salt etc.
- ◎ Good high temperature resistance and aging resistance effect.
- ◎ Excellent fire resistance.
- ◎ Excellent electrical insulation.
- ◎ Belled end connection, convenient installation and low project cost.



Product Specification

DUCT	Ring Stiffness	SAP Number	Nominal internal diameter (mm)	Wall Thickness (mm)
	SN8	8070110215	100	4.0
		8070110229	125	5.0
		8070110216	150	6.5
		8070110194	175	8.0
		8070110220	200	9.0
	SN12	8070110228	100	5.0
		8070110250	125	6.5
		8070110196	150	8.0
		8070110280	175	9.5
		8070110237	200	11.0
	SN16	8070110195	100	6.0
		8070110230	125	8.0
		8070110209	150	9.5
		8070110310	175	11.0
		8070110278	200	13.0

Note: The length is generally 6m.Other forms are available upon request.

Duct Pillow	SAP Number	Size (mm)	Corresponding pipe wall thickness(mm)
	8070120040	100	4.0
	8070120046	100	5.0
	8070120037	100	6.0
	8070120047	125	5.0
	8070120048	125	6.5
	8070120049	125	8.0
	8070120058	150	6.5
	8070120034	150	8.0
	8070120041	150	9.5
	8070120035	175	8.0
	8070120050	175	9.5
	8070120042	175	11.0
	8070120043	200	9.0
	8070120038	200	11.0
	8070120051	200	13.0

Long Sweep Bend	SAP Number	Size (mm)	Corresponding pipe wall thickness(mm)
	8070120070	100	4.0
	8070120071	100	5.0
	8070120080	100	6.0
	8070120076	125	5.0
	8070120075	125	6.5
	8070120077	125	8.0
	8070120078	150	6.5
	8070120072	150	8.0
	8070120073	150	9.5
		175	★ 8.0
	8070120079	175	9.5
	8070120081	175	11.0
	8070320012	200	9.0
		200	★ 11.0
		200	★ 13.0

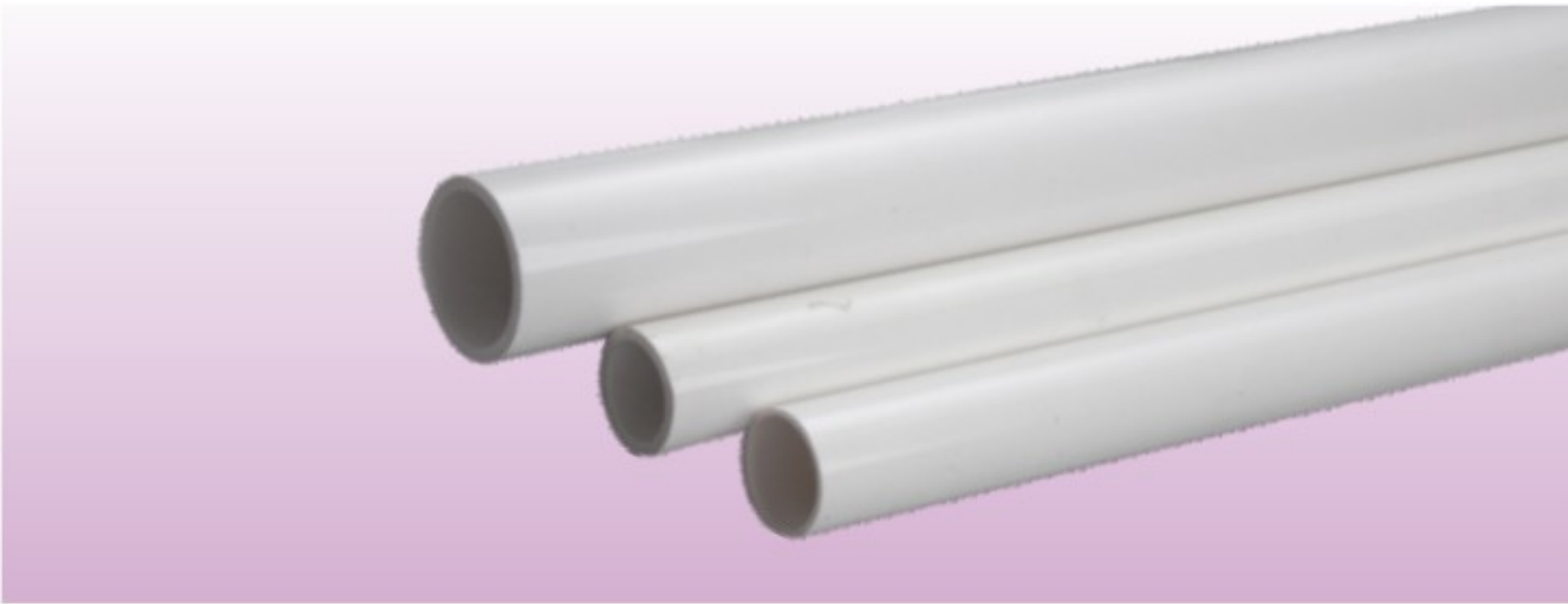
Plug	SAP Number	Size(mm)
	8070120032	100
	8070120044	125
	8070120031	150
	8070120033	175
	8070120045	200

Note: Plug and pillow can be used with PVC-U underground power cable duct of the same specification.

Note: ★ The product mold marked as "★" on this page has not been improved, please note.

Features

- ◎ Belled end connection, convenient installation.
- ◎ Excellent electrical insulation.
- ◎ Excellent impact resistance and can be buried underground.
- ◎ Good nominal ring stiffness,high strength.
- ◎ Good acid and alkali resistance and aging resistance.



Product Specification

DUCT	Ring Stiffness	SAP Number (6m)	Nominal internal diameter (mm)	Wall Thickness (mm)
	SN16	8070290002	100	4.0
		8070290004	125	5.0
		8070290001	150	6.5
		8070290013	175	8.0
		8070290008	200	9.0
	SN24	8070290003	100	5.0
		8070290007	125	6.5
		8070290006	150	8.0
		8070290012	175	9.5
		8070290009	200	11.0
	SN32	8070290010	100	6.0
		8070290005	125	8.0
		8070290019	150	9.5
		8070290014	175	11.0
		8070290011	200	13.0
Note: This series of products need to be matched with the plug and duct pillow, which can be selected according to the plug and duct pillow in the series of "PVC-U underground power cable duct" .				

Long Sweep Bend	SAP Number	Size (mm)	Corresponding pipe wall thickness(mm)
	8070320010	100	4.0
	8070320001	100	5.0
	8070320005	100	6.0
	8070320006	125	5.0
	8070320004	125	6.5
	8070320007	125	8.0
	8070320008	150	6.5
	8070320002	150	8.0
	8070320003	150	9.5
	8070320009	175	9.5
	8070320011	200	9.0

Advantages

1. High Temperature Resistance

Can Keep Enough Ring Stiffness At High Temperature And Protect Effectively High-Voltage Power Cables.

2. High Ring Stiffness

Can Withstand Heavy Soil Load Without Any Obvious Deformation Although Buried In The Deep Ground.

3. Strong Impact Resistance

Good Impact Resistance At Low Temperature or High Temperature.

4. Perfect Environmental Adaptability

MPP Cable Has Excellent Tensile And Bending Performance, Suitable For Trenchless Projects Such As Horizontal Directional Drilling Which Requires Pipes And Welding Points For Withstanding High Tensile Strength And Bending Strength.

5. High Flexibility And Bendability

MPP Cable Has High Flexibility And Bendability On Its Axis.



Application

- ◎ Urban And Rural Trenchless HDD (Horizontal Directional Drilling) Cable Projects.
- ◎ Urban And Rural Trenchless HDD (Horizontal Directional Drilling) Drainage Projects.
- ◎ Industrial Sewerage And Drainage Projects.



Product Specification

Internal sizing duct	Ring Stiffness	SAP Number	Nominal internal diameter (mm)	Wall Thickness (mm)
	SN24	8070280001	98	6
		8070280012	100	6
		8070280133	125	8
		8070280002	140	10
		8070280103	150	10
		8070280105	175	12
		8070280107	200	14
			★ 225	16
			★ 250	18
	SN32	8070280015	100	8
		8070280134	125	10
		8070280013	150	12
		8070280042	175	14
		8070280014	200	16
			★ 225	18
			★ 250	20
	SN40	8070280102	100	10
		8070280135	125	12
		8070280104	150	14
		8070280106	175	16
			★ 200	18
			★ 225	20
			★ 250	22
	SN50	8070280043	100	12
		8070280076	150	17

Note: The length is generally 6m.Other forms are available upon request.

Duct Pillow II (PVC)	SAP Number	Size (mm)	Wall Thickness (mm)	Pillow Pin II (PVC)	SAP Number	Size(mm)	
	8070300001	100	10		7500240008	Compatible	
	8070300002	125	12				

Note: * The product mold marked as "★" on this page has not been improved, please note.

External sizing duct	Ring Stiffness	SAP Number	Nominal internal diameter (mm)	Wall Thickness (mm)
	SN24	8070280004	110	6
		8070280009	160	9
		8070280059	180	9
		8070280149	200	11
		8070280041	225	12
		8070280054	250	14
	SN32	8070280011	110	7
		8070280007	160	10
		8070280148	180	11
		8070280008	200	12
		8070280101	225	13
		8070280055	250	16
	SN40	8070280005	110	8
		8070280016	160	12
		8070280060	180	12
		8070280010	200	14
		8070280003	225	14
		8070280150	250	18
	SN50	8070280006	110	10

Note: The length is generally 6m.Other forms are available upon request.

LESSO

CHINA LESSO GROUP HOLDINGS LIMITED

(Hong Kong Listed Stock Code: 2128)

GUANGDONG LIANSU TECHNOLOGY INDUSTRIAL CO.,LTD.

Production Base:
LIANSU Industrial Estate, Longjiang Town, Shunde District, Foshan City,
Guangdong Province 528318, China

Sales Tel: (86) 757 23379211	Fax : (86) 757 23378980	E-mail: oversea@lesso.com
Asia-1 : (86) 757-29223015	Africa-1 : (86) 757-29226356	Middle East : (86) 757-29226355
Asia-2 : (86) 757-29220500	Africa-2 : (86) 757-23379211	South America : (86) 757-29220501

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