

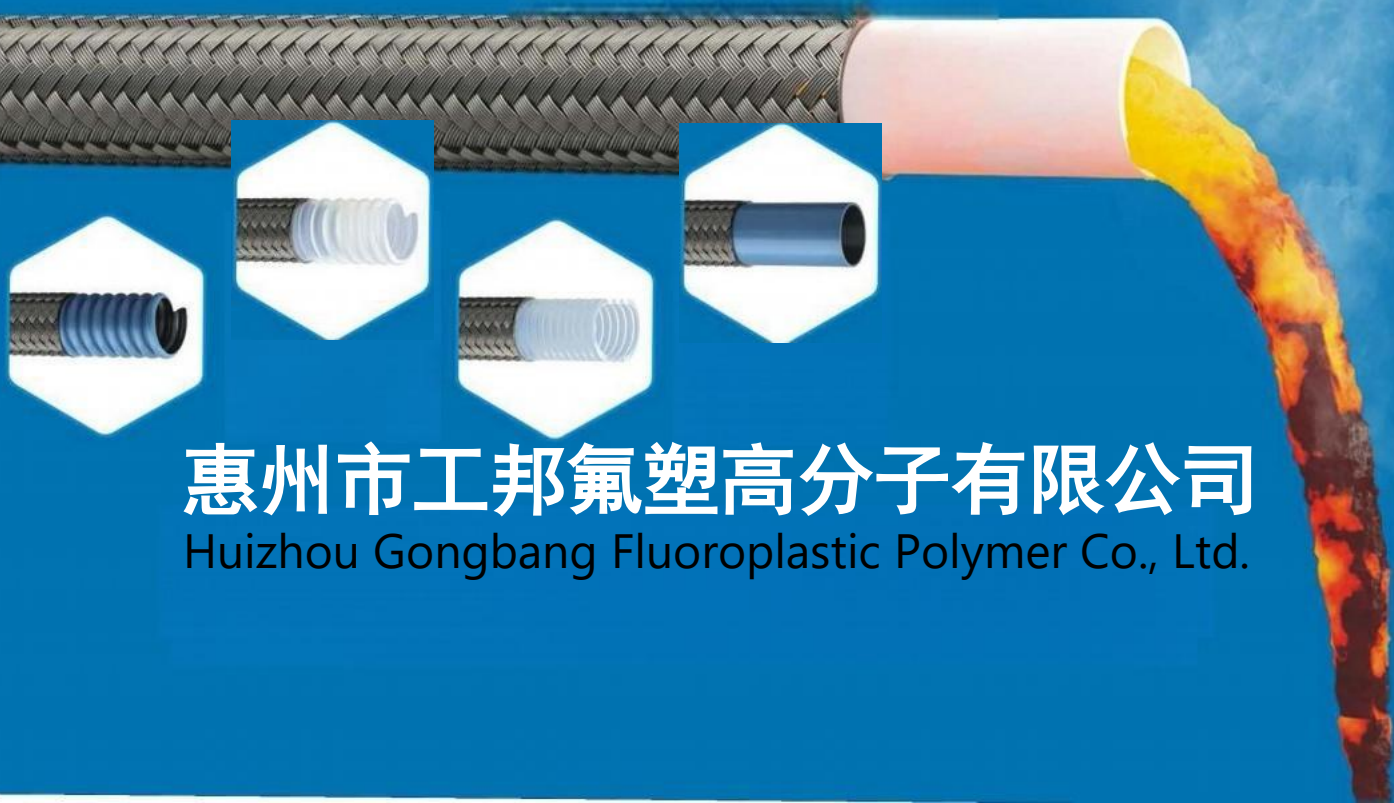
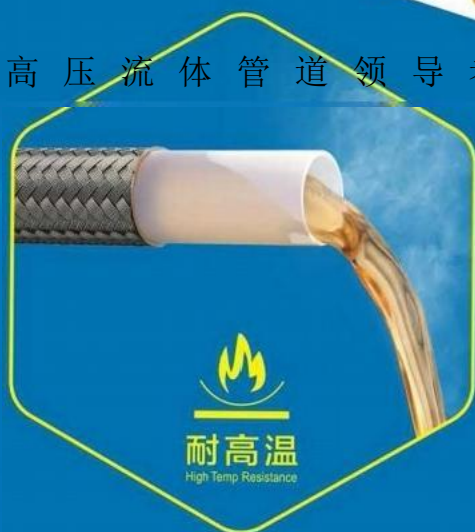


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好管道工邦造

高温高压流体管道领导者



惠州市工邦氟塑高分子有限公司
Huizhou Gongbang Fluoroplastic Polymer Co., Ltd.

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■ 公司简介 Introduction

- 惠州市工邦氟塑高分子有限公司成立于2005年，是一家专业从事铁氟龙管生产、研发及销售的高科技企业。
 - 本公司拥有一支高素质的设计队伍和完整的质量保证体系，也采用先进的生产设备和检测系统。
 - 本公司一律采用世界知名公司的生产原料，如美国杜邦，美国3M，日本大金等，另有国内顶级的原料亦可供选择。
 - 本公司的产品以最好的质量，合理的价格而远销国内外，主要的市场包括美国、欧盟、英国、南非等。
- 近20年来，本公司积累了丰富的生产，研发经验，坚持致力于产品质量的提高及新产品新技术的开发应用，并获得几项专利产品。
- Huizhou Gongbang Fluoroplastic Polymer Co., Ltd., established in 2014, is a high-tech enterprise specializing in the production, research and development, and sales of Teflon tubes.
- The company maintains a high-caliber design team and a comprehensive quality assurance system, coupled with advanced production equipment and sophisticated testing systems.
- We exclusively utilize raw materials procured from world-renowned corporations, such as DuPont (USA), 3M (USA) and Daikin (Japan), with top-tier domestic raw materials also available as alternative options.
- Endowed with superior quality and reasonable pricing, our products have been widely marketed both domestically and internationally, covering key markets including the United States, the European Union, the United Kingdom and South Africa.
- Over the years, the company has accumulated extensive experience in production and R&D, remained committed to enhancing product quality and advancing the development and application of new products and technologies, and has secured several patented products.s.

■ 公司资质证书中英文版 Certification



■ 工艺流程图 Production Flow Chart



■ 车间展示 Workshop Show



■ 什么是PTFE What is PTFE?

- 聚四氟乙烯管 (PTFE) 于1938年由杜邦公司Roy Plunkett 博士所发现, 简称为铁氟龙、铁富龙、特富龙、特氟隆, 全称PTFE、F4, 堪称塑料王。Polytetrafluoroethylene(PTFE), to give it its full chemical name, was discovered in 1938 by Dupont scientist Dr. Roy Plunkett.
- PTFE是氟碳组中的塑料树脂。
PTFE is a plastic resin in the Fluorocarbon group.
- PTFE是解决含有腐蚀性强的化学物质或极致温度、运动又或者卫生是至关重要的液体运输应用的最佳理想方案。
PTFE is an ideal solution for fluid transfer applications involving strongly aggressive chemicals, extremes of temperature/movement or where hygiene is paramount.

■ 关键属性Key Properties

工作温度范围: A wide working temperature range
-65℃ to +260℃ (-85F to +500F)

耐溶剂Solvent resistance

非粘性Non-sticky

非湿性Non-wetting

无毒性Non-toxic

非燃性Non-flammable

低渗透性 Lowest permeability

化学惰性Chemical inert

低摩擦系数Lowest coefficient of friction

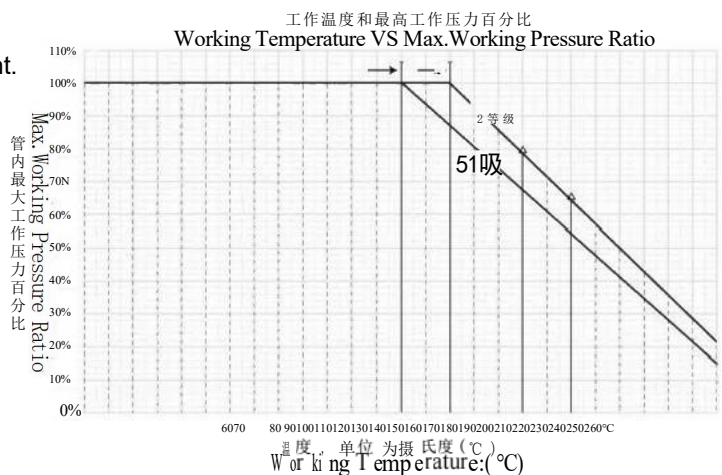
抗风化, 老化性Weathering/Ageing resistance

良好的电气性能Excellent electrical properties

轻便 Light weight

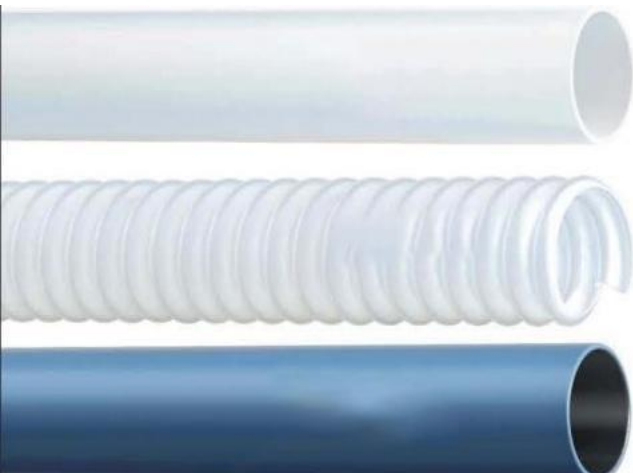
■ 温度及压力Temperature and Pressure

- 最大的工作或者爆破压力会随着工作温度的增加而减小。
The increased working temperatures require a reduction in maximum rated working or burst pressure.
- 从而需要进一步考虑对铁氟龙管性能的影响。
Further consideration should be taken on the effect on the hose performance. Please contact us for any doubt.



■ 压力的数据Data for Pressure

- 所有工作和爆破压力均在室温25℃下测试录取。
All stated working and burst pressure are measured at the room temperature of 25℃.



氟塑料与其他塑料的性能对比图

Comparison Of Properties Between Fluoroplastics And Other Plastics

性能Properties		PTFE	PFA	FEP	ETFE	PVDF
热特性Thermal Properties						
熔点Melting Point	℃	327	310	260	270	151-178
最高工作温度Max. Temperature	℃	260	260	200	150	130
机械性质Mechanical Properties						
比重Specific Gravity	g/m ³	2.14-2.20	2.14-2.17	2.14-2.17	1.73-1.74	1.75-1.78
抗张强度Tensile Strength	psi	2560-3900	3900	3500	5500-6000	4300-10100
拉伸模量Tensile Modulus	psi	58000-87000	44000-50000	46000-52000	101000-123000	53000-374000
延伸率Elongation	%	250-400	300-350	250-300	200-300	20-370
摩擦系数Coefficient of Friction	<3m/min	0.1	0.2	0.3	0.4	0.4
硬度Hardness	Shore Dscale	D-55-65	D-60-65	D-55-60	D67-78	D64-79
抗压强度Compressive Strength	psi	3500	2100	2100	5800	4600
冲击强度Impact Strength	J/m	150-160	Not Broken	Not Broken	Not Broken	160-375
弯曲模量Flexural Modulus	psi	7100-85000	94000-99000	78000-92000	128000-171000	90000-168000
弯曲强度Flexural Strength	psi	Not Broken	Not Broken	Not Broken	5500	8600-9500
弯曲寿命Flex Life(MIT Cycle)		>1000000	10000-500000	5000-80000	10000-27000	N/A
电气性能Electrical Properties						
电容率Dielectric Constant		2.1	2.1	2.1	2.6	7.72
介电强度Dielectric Strength		500	500	500	N/A	N/A
体积电阻率Volume Resistivity	ohm-cm	>10 ¹	>10 ¹⁸	>10	>10 ¹⁶	2×10 ⁴
表面电阻率Surface Resistivity	ohm-cm	>10 ⁷	>10 ⁷	>10 ⁷	>10 ¹	5×10 ⁴
易燃性Flammability		V-0	V-0	V-0	V-0	V-0
常规属性General Properties						
吸水率Water Absorption	%	<0.01	<0.03	<0.01	<0.03	<0.04
氧指数Oxygen Index		>95	>95	>95	31	43
耐化学性Chemical Resistance						
酸Acid		Super Excellent	Super Excellent	Super Excellent	Excellent	Excellent
碱Alkali		Super Excellent	Super Excellent	Super Excellent	Excellent	Very Good
溶剂Solvent		Super Excellent	Super Excellent	Super Excellent	Excellent	Good

材料 Material	持续工作最高温度 Max. Continuous Service Temperature	介电强度 Dielectric Strength	摩擦系数 Friction Coefficient
PTFE	260℃	25kv/mm	0.11
PFA	260℃	20-24kv/mm	0.2
FEP	200℃	20-24kv/mm	0.3
PP	110-130℃	20-27kv/mm	0.82
PVC	60-80℃	14-20kv/mm	0.31
HDPE	120℃	18-20kv/mm	0.2

耐化学性对比图Chemical Resistance			
材质Material	酸Acid	碱Alkali	溶剂Solvent
PTFE	E	E	E
PFA	E	E	E
FEP	E	E	E
PP	G	G	U
PVC	G	G	U
Nylon	U	U	U





ZXGM101
高压增强系列
High Pressure Hose



ZXGM101B
防静电高压增强系列
Conductive High Pressure Hose

ZXGM101-PL 光面编织管外编棉线
High Pressure Hose With Polyester Braid



ZXGM101-PU 光面编织管外包PU
High Pressure Hose With PU Coated



德系工艺
German Quality



内管特性 Core Properties

聚四氟乙烯(P.T.F.E) 耐高低温, 耐腐蚀, 抗老化, 不粘
PTFE is resistant to low&high temperature,corrosion,ageing,with non-sticky surface

增强结构 Reinforcement

一层高强304&316钢丝编织
One layer of high tensile stainless steel304/316wire braided

工作温度 Working Temperature

内管耐温-65℃~260℃(瞬间耐温310℃)
-65℃~260℃(-85F~500F)(Withstand instant temperature up to 310℃,ie.590F)

输送介质 Transfer Medium

高温油, 高温水, 高温蒸汽, 强酸, 强碱, 石油, 柴油, 汽油, 化工, 食品, 医药, 胶水等各种流体
High temp oil, high temp water, steam, strong acid, strong alkali, petroleum, diesel, gasoline, chemical, food, medicine, glue & other fluids

外包/编织层 Outer Cover

涤纶, 芳纶, 玻璃纤维, 尼龙, 硅胶, PVC, PU, EPDM
Polyester, Aramid fiber, glass fiber, Nylon, Silicone, PVC, PU, EPDM

外层颜色 Cover Color

红, 黑, 蓝, 灰, 白, 绿, 黄, 红透, 蓝透, 黑透, 紫透, 绿透
Red, black, blue, gray, white, green, yellow, clear-red, clear-blue, clear-black, clear-purple, clear-green

包装类型 Package Types

卷, 卷轴, 纸箱, 托盘, 木箱
Roll, Reel, Carton, Pallet, Wooden Case

产品认证 Certification

ISO9001:2015 |RoHS Directive(EU)2015/863 US FDA21 CFR 177.1550 |EU GHS SDS | ISO/TS 16949

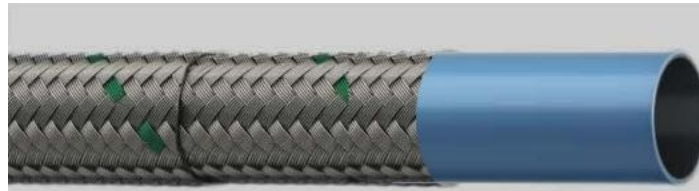
导电系数 Conductivity

10⁶

No. 编号														
	内径 I. D.		外径 O. D.		内管壁厚 W. T		工作压力 W. P.		爆破压力 B. P.		弯曲半径 MIN. B. R.		套筒规格	
	(inch)	(mm)	(inch)	(mm)	(inch)	(mm)	(psi)	(bar)	(psi)	(bar)	(inch)	(mm)	Collar Spec.	
ZXGM101-04	3/16"	5	0.331	8.4	0.033	0.85	3770	260	15080	1040	0.709	18	ZXTF0-03	
ZXGM101-05	1/4"	6.5	0.394	10	0.033	0.85	3262.5	225	13050	900	0.957	24.3	ZXTF0-04	
ZXGM101-06	5/16"	8	0.461	11.7	0.033	0.85	2827.5	195	11310	780	0.957	24.3	ZXTF0-05	
ZXGM101-07	3/8"	10	0.531	13.5	0.033	0.85	2537.5	175	10150	700	1.169	29.7	ZXTF0-06	
ZXGM101-08	13/32"	10.3	0.551	14	0.033	0.85	2465	170	9860	680	1.630	41.4	ZXTF0-06	
ZXGM101-10	1/2"	13	0.665	16.9	0.039	1	2102.5	145	8410	580	2.339	59.4	ZXTF0-08	
ZXGM101-12	5/8"	16	0.787	20	0.039	1	1885	130	7540	520	5.315	135	ZXTF0-10	
ZXGM101-14	3/4"	19	0.921	23.4	0.047	1.2	1450	100	5800	400	8.008	203.4	ZXTF0-12	
ZXGM101-16	7/8"	22.2	1.043	26.5	0.047	1.2	1087.5	75	4350	300	8.681	220.5	ZXTF0-14	
ZXGM101-18	1"	25.4	1.161	29.5	0.059	1.5	1015	70	4060	280	10.630	270	ZXTF0-16	



ZXGM101-2W
高压增强系列
High Pressure Hose



ZXGM101B-2W
防静电高压增强系列
Conductive High Pressure Hose



内管特性

Core Properties

聚四氟乙烯(P.T.F.E) 耐高低温,耐腐蚀,抗老化,不粘
PTFE is resistant to low &high temperature,corrosion,ageing,with non-sticky surface

增强结构

Reinforcement Layer

两层高强304&316钢丝编织
Double layers of high tensile stainless steel304/316wire braided

工作温度

Working Temperature

内管耐温-65℃~260℃
-65℃~260℃(-85F~500F)

输送介质

Transfer Medium

高温油, 高温水, 高温蒸汽, 气体, 强酸, 强碱, 石油, 柴油, 汽油, 化工, 食品, 医药, 胶水等各种流体
High temp oil, high temp water, steam, gas, strong acid, strong alkali, petroleum, diesel, gasoline, chemical, food, medicine, glue & other fluids

外包/编织层

Outer Cover

涤纶, 芳纶, 玻璃纤维, 尼龙, 硅胶, PVC, PU, EPDM
Polyester, Aramid fiber, glass fiber, Nylon, Silicone, PVC, PU, EPDM

外层颜色

Cover Color

红, 黑, 蓝, 灰, 白, 绿, 黄, 红透, 蓝透, 黑透, 紫透, 绿透
Red, black, blue, gray, white, green, yellow, clear-red, clear-blue, clear-black, clear-purple, clear-green

包装类型

Package Types

卷, 卷轴, 纸箱, 托盘, 木箱
Roll, Reel, Carton, Pallet, Wooden Case

产品认证

Certification

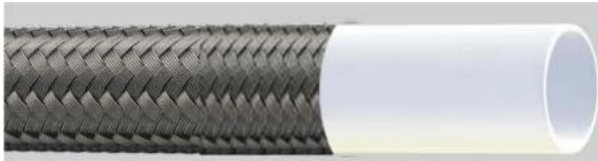
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导电系数

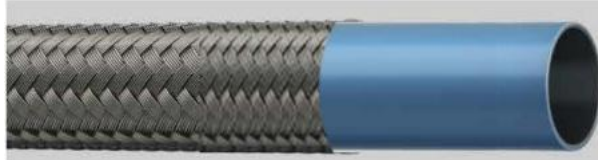
Conductivity

10⁶

No. 编号													
	内径 I. D.		外径 O. D.		内管壁厚 W. T		工作压力 W. P.		爆破压力 B. P.		弯曲半径 MIN. B. R.		套筒规格
	(inch)	(mm)	(inch)	(mm)	(inch)	(mm)	(psi)	(bar)	(psi)	(bar)	(inch)	(mm)	Collar Spec.
ZXGM101-04-2W	3/16"	5	0.382	9.7	0.033	0.85	4350	300	17400	1200	0.787	20	ZXTF0-03
ZXGM101-05-2W	1/4"	6.5	0.453	11.5	0.033	0.85	3987.5	275	15950	1100	1.063	27	ZXTF0-04
ZXGM101-06-2W	5/16"	8	0.524	13.3	0.033	0.85	3480	240	13920	960	1.063	27	ZXTF0-05
ZXGM101-07-2W	3/8"	10	0.575	14.6	0.033	0.85	3190	220	12760	880	1.299	33	ZXTF0-06
ZXGM101-08-2W	13/32"	10.3	0.602	15.3	0.033	0.85	2791.25	192.5	11165	770	1.811	46	ZXTF0-06
ZXGM101-10-2W	1/2"	13	0.717	18.2	0.039	1	2138.75	147.5	8555	590	2.598	66	ZXTF0-08
ZXGM101-12-2W	5/8"	16	0.846	21.5	0.039	1	1957.5	135	7830	540	5.906	150	ZXTF0-10
ZXGM101-14-2W	3/4"	19	1.000	25.4	0.047	1.2	1667.5	115	6670	460	8.898	226	ZXTF0-12
ZXGM101-16-2W	7/8"	22.2	1.122	28.5	0.047	1.2	1305	90	5220	360	9.646	245	ZXTF0-14
ZXGM101-18-2W	1"	25.4	1.240	31.5	0.059	1.5	1196.25	82.5	4785	330	11.811	300	ZXTF0-16



ZXGM111
常规中压系列
Medium Pressure Hose



ZXGM111B
防静电常规中压系列
Conductive Medium Pressure Hose

ZXGM111-PL 常规光面编织管外编织棉线
Medium Pressure Hose With Polyester Braid



ZXGM111-PU 常规光面编织管外包PU
Medium Pressure Hose With PU Coated



德系工艺
German Quality



内管特性
Core Properties

聚四氟乙烯(P.T.F.E) 耐高低温, 耐腐蚀, 抗老化, 不粘
PTFE is resistant to low & high temperature, corrosion, ageing, with non-sticky surface

增强结构
Reinforcement Layer

一层高强304&316钢丝编织
One layer of high tensile stainless steel 304/316 wire braided

工作温度
Working Temperature

内管耐温 -65°C ~ 250°C
-65°C - 250°C (-85°F ~ 482°F)

输送介质
Transfer Medium

高温油, 高温水, 高温蒸汽, 强酸, 强碱, 石油, 柴油, 汽油, 化工, 食品, 医药, 胶水等各种流体
High temp oil, high temp water, steam, strong acid, strong alkal, petroleum, diesel, gasoline, chemical, food, medicine, glue & other fluids
涤纶, 芳纶, 玻璃纤维, 尼龙, 硅胶, PVC, PU, EPDM

外包/编织层
Outer Cover

Polyester, Aramid fiber, glass fiber, Nylon, Silicone, PVC, PU, EPDM

外层颜色
Cover Color

红, 黑, 蓝, 灰, 白, 绿, 黄, 红透, 蓝透, 黑透, 紫透, 绿透
Red, black, blue, gray, white, green, yellow, clear-red, clear-blue, clear-black, clear-purple, clear-green

包装类型
Package Types

卷, 卷轴, 纸箱, 托盘, 木箱
Roll, Reel, Carton, Pallet, Wooden Case

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Certification

ISO9001:2015 | RoHS Directive (EU) 2015/863 | US FDA 21 CFR 177.1550 | EU GHS SDS | ISO/TS 16949

导电系数
Conductivity

10⁶

No. 编号																	
	内径 I. D.		外径 O. D.		内管壁厚 W. T		工作压力 W. P.		爆破压力 B. P.		弯曲半径 MIN. B. R.		套筒规格				
	(inch)	(mm)	(inch)	(mm)	(inch)	(mm)	(psi)	(bar)	(psi)	(bar)	(inch)	(mm)	Collar	Spec.			
ZXGM111-03	1/8"	3.5	0.264	6.7	0.039	1	3625	250	14500	1000	0.630	16	ZXTF0-02				
ZXGM111-04	3/16"	4.8	0.299	7.6	0.033	0.85	2972.5	205	11890	820	0.787	20	ZXTF0-03				
ZXGM111-05	1/4"	6.4	0.370	9.4	0.033	0.85	2718.8	187.5	10875	750	1.063	27	ZXTF0-04				
ZXGM111-06	5/16"	8	0.437	11.1	0.033	0.85	2356.3	162.5	9425	650	1.063	27	ZXTF0-05				
ZXGM111-07	3/8"	10	0.516	13.1	0.033	0.85	1885	130	7540	520	1.299	33	ZXTF0-06				
ZXGM111-08	13/32"	10.3	0.531	13.5	0.033	0.85	1812.5	125	7250	500	1.811	46	ZXTF0-06				
ZXGM111-10	1/2"	12.7	0.638	16.2	0.039	1	1631.3	112.5	6525	450	2.598	66	ZXTF0-08				
ZXGM111-12	5/8"	16	0.764	19.4	0.039	1	1160	80	4640	320	5.906	150	ZXTF0-10				
ZXGM111-14	3/4"	19	0.905	23	0.047	1.2	1015	70	4060	280	8.898	226	ZXTF0-12				
ZXGM111-16	7/8"	22.2	1.031	26.2	0.047	1.2	870	60	3480	240	9.646	245	ZXTF0-14				
ZXGM111-18	1"	25.4	1.173	29.8	0.059	1.5	725	50	2900	200	11.811	300	ZXTF0-16				
ZXGM111-20	1-1/8"	28	1.299	33	0.059	1.5	652.5	45	2610	180	23.622	600	ZXTF0-18				
ZXGM111-22	1-1/4"	32	1.496	38	0.078	2	561.88	38.75	2247.5	155	27.559	700	ZXTF0-20				
ZXGM111-26	1-1/2"	38	1.732	44	0.078	2	507.5	35	2030	140	31.496	800	ZXTF0-24				
ZXGM111-32	2"	50	2.205	56	0.078	2	435	30	1740	120	27.559	700	ZXTF0-32				



ZXGM111-2W
中压系列
Medium High Pressure Hose



ZXGM111B-2W
防静电中压系列
Conductive Medium High Pressure Hose



内管特性
Core Properties

聚四氟乙烯(P.T.F.E) 耐高低温,耐腐蚀,抗老化,不粘
PTFE is resistant to low & high temperature, corrosion, ageing, with non-sticky surface

增强结构
Reinforcement Layer

两层高强304&316钢丝编织
Double layers of high tensile stainless steel 304/316 wire braided

工作温度
Working Temperature

内管耐温-65°C~250°C
-65°C~250°C (-85F~482F)

输送介质
Transfer Medium

高温油, 高温水, 高温蒸汽, 气体, 强酸, 强碱, 石油, 柴油, 汽油, 化工, 食品, 医药, 胶水等各种流体
High temp oil, high temp water, steam, gas, strong acid, strong alkali, petroleum, diesel, gasoline, chemical, food, medicine, glue & other fluids

外包/编织层
Outer Cover

涤纶, 芳纶, 玻璃纤维, 尼龙, 硅胶, PVC, PU, EPDM
Polyester, Aramid fiber, glass fiber, Nylon, Silicone, PVC, PU, EPDM

外层颜色
Cover Color

红, 黑, 蓝, 灰, 白, 绿, 黄, 红透, 蓝透, 黑透, 紫透, 绿透
Red, black, blue, gray, white, green, yellow, clear-red, clear-blue, clear-black, clear-purple, clear-green

包装类型
Package Types

卷, 卷轴, 纸箱, 托盘, 木箱
Roll, Reel, Carton, Pallet, Wooden Case

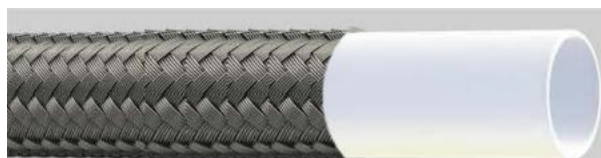
产品认证
Certification

ISO9001:2015 | RoHS Directive(EU)2015/863 | US FDA 21 CFR 177.1550 | EU GHS SDS | ISO/TS 16949

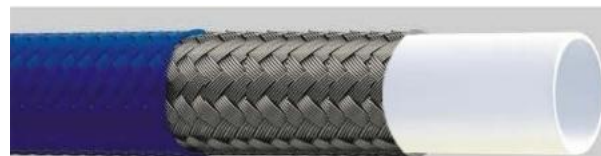
导电系数
Conductivity

10⁶

No. 编号														
	内径I. D.		外径O. D.		内管壁厚W. T		工作压力W. P.		爆破压力B. P		弯曲半径MIN. B. R			套筒规格
	(inch)	(mm)	(inch)	(mm)	(inch)	(mm)	(psi)	(bar)	(psi)	(bar)	(inch)	(mm)		Collar Spec.
ZXGM111-03-2W	1/8"	3.5	0.303	7.7	0.039	1	4350	300	17400	1200	0.630	16	ZXTF0-02	
ZXGM111-04-2W	3/16"	4.8	0.346	8.8	0.033	0.85	3443.8	237.5	13775	950	0.787	20	ZXTF0-03	
ZXGM111-05-2W	1/4"	6.4	0.417	10.6	0.033	0.85	3081.3	212.5	12325	850	1.063	27	ZXTF0-04	
ZXGM111-06-2W	5/16"	8	0.488	12.4	0.033	0.85	2718.8	187.5	10875	750	1.063	27	ZXTF0-05	
ZXGM111-07-2W	3/8"	10	0.559	14.2	0.033	0.85	2247.5	155	8990	620	1.299	33	ZXTF0-06	
ZXGM111-08-2W	13/32"	10.3	0.571	14.5	0.033	0.85	2175	150	8700	600	1.811	46	ZXTF0-06	
ZXGM111-10-2W	1/2"	12.7	0.701	17.8	0.039	1	1957.5	135	7830	540	2.598	66	ZXTF0-08	
ZXGM111-12-2W	5/8"	16	0.827	21	0.039	1	1377.5	95	5510	380	5.906	150	ZXTF0-10	
ZXGM111-14-2W	3/4"	19	0.945	24	0.047	1.2	1196.3	82.5	4785	330	8.898	226	ZXTF0-12	
ZXGM111-16-2W	7/8"	22.2	1.083	27.5	0.047	1.2	1051.3	72.5	4205	290	9.646	245	ZXTF0-14	
ZXGM111-18-2W	1"	25.4	1.240	31.5	0.059	1.5	870	60	3480	240	11.811	300	ZXTF0-16	
ZXGM111-20-2W	1-1/8"	28	1.378	35	0.059	1.5	797.5	55	3190	220	23.622	600	ZXTF0-18	
ZXGM111-22-2W	1-1/4"	32	1.594	40.5	0.079	2	688.8	47.5	2755	190	27.559	700	ZXTF0-20	
ZXGM111-26-2W	1-1/2"	38	1.850	47	0.079	2	616.3	42.5	2465	170	31.496	800	ZXTF0-24	
ZXGM111-32-2W	2"	50	2.362	60	0.079	2	543.8	37.5	2175	150	27.559	700	ZXTF0-32	



ZXGM121
常规中低压系列
Medium Pressure Hose



ZXGM121-PL
薄壁光面编织管外编织棉线
Medium Pressure Hose With Polyester Braid



ZXGM121-PU
薄壁光面编织管外包PU
Medium Pressure Hose With PU Coated



内管特性
Core Properties

聚四氟乙烯(P.T.F.E) 耐高低温,耐腐蚀,抗老化,不粘
PTFE is resistant to low & high temperature, corrosion, ageing, with non-sticky surface

增强结构
Reinforcement Layer

一层高强304钢丝编织
One layer of high tensile stainless steel 304 wire braided

工作温度
Working Temperature

内管耐温-65°C~235°C
-65°C~235°C(-85F~455F)

输送介质
Transfer Medium

高温油, 高温水, 高温蒸汽, 强酸, 强碱, 石油, 柴油, 汽油, 化工等各种流体
High temp oil, high temp water, steam, strong acid, strong alkali, petroleum, diesel, gasoline, chemical & other fluids

外包/编织层
Outer Cover

涤纶, 芳纶, 玻璃纤维, 尼龙, 硅胶, PVC, PU, EPDM
Polyester, Aramid fiber, glass fiber, Nylon, Silicone, PVC, PU, EPDM

外层颜色
Cover Color

红, 黑, 蓝, 灰, 白, 绿, 黄, 红透, 蓝透, 黑透, 紫透, 绿透
Red, black, blue, gray, white, green, yellow, clear-red, clear-blue, clear-black, clear-purple, clear-green

包装类型
Package Types

卷, 卷轴, 纸箱, 托盘, 木箱
Roll, Reel, Carton, Pallet, Wooden Case

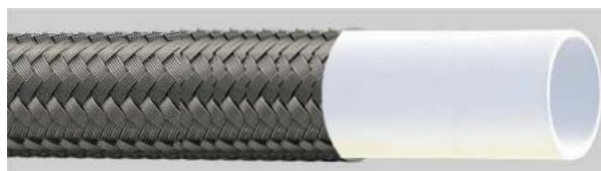
产品认证
Certification

ISO9001:2015 | RoHS Directive(EU)2015/863 | US FDA21 CFR 177.1550 | EU GHS SDS | ISO/TS 16949

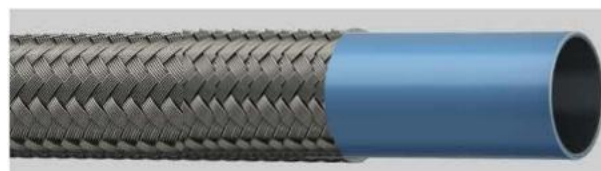
导电系数
Conductivity

10⁶

No. 编号													
	内径 I. D.		外径 O. D.		内管壁厚 W. T		工作压力 W. P.		爆破压力 B. P		弯曲半径 MIN. B. R.		
	(inch)	(mm)	(inch)	(mm)	(inch)	(mm)	(psi)	(bar)	(psi)	(bar)	(inch)	(mm)	
ZXGM121-03	1/8"	3.2	0.236	6	0.033	0.85	3263	225	13050	900	0.787	20	ZXTF0-02
ZXGM121-04	3/16"	4.8	0.299	7.6	0.027	0.7	2936	202.5	11745	810	1.181	30	ZXTF0-03
ZXGM121-05	1/4"	6.4	0.354	9	0.027	0.7	2501	173	10005	690	1.181	30	ZXTF0-04
ZXGM121-06	5/16"	8	0.433	11	0.027	0.7	2284	157.5	9135	630	1.575	40	ZXTF0-05
ZXGM121-07	3/8"	9.5	0.488	12.4	0.027	0.7	1958	135	7830	540	2.362	60	ZXTF0-06
ZXGM121-08	1/2"	12.7	0.524	13.3	0.027	0.7	1813	125	7250	500	3.150	80	ZXTF0-06
ZXGM121-10	5/8"	15.9	0.626	15.9	0.031	0.8	1704	117.5	6815	470	5.906	150	ZXTF0-08
ZXGM121-12	3/4"	19	0.756	19.2	0.031	0.8	1269	87.5	5075	350	7.087	180	ZXTF0-10
ZXGM121-14	7/8"	22.2	0.890	22.6	0.039	1	1233	85	4930	340	11.811	300	ZXTF0-12
ZXGM121-16	1"	25.4	1.024	26	0.039	1	1160	80	4640	320	10.236	260	ZXTF0-14
ZXGM121-18	1 1/4"	31.8	1.161	29.5	0.043	1.1	1088	75	4350	300	15.748	400	ZXTF0-16

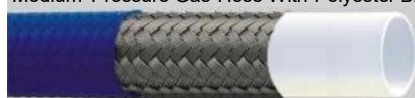


ZXGM131
中压气体管系列
Medium Pressure Gas Hose



ZXGM131B
防静电中压气体管系列
Conductive Medium Pressure Gas Hose

ZXGM131-PL 厚壁光面编织管外编织棉线
Medium Pressure Gas Hose With Polyester Braid



ZXGM131-PU 厚壁光面编织管外包PU
Medium Pressure Gas Hose With PU Coated



德系工艺
German Quality



内管特性 Core Properties

聚四氟乙烯 (P. T. F. E) 耐高低温, 耐腐蚀, 抗老化, 不粘
PTFE is resistant to low & high temperature, corrosion, ageing, with non-sticky surface

增强结构 Reinforcement Layer

一层高强304&316钢丝编织
Onelayer of high tensile stainless steel 304/316 wire braided

工作温度 Working Temperature

内管耐温-65℃~260℃
-65℃~260℃ (-85F~500F)

输送介质 Transfer Medium

高温油, 高温水, 高温蒸汽, 气体, 强酸, 强碱, 石油, 柴油, 汽油, 化工, 食品, 医药, 胶水等各种流体
High temp oil, high temp water, steam, gas, strong acid, strong alkali, petroleum, diesel, gasoline, chemical, food, medicine, glue & other fluids

外包/编织层 Outer Cover

涤纶, 芳纶, 玻璃纤维, 尼龙, 硅胶, PVC, PU, EPDM
Polyester, Aramid fiber, glass fiber, Nylon, Silicone, PVC, PU, EPDM

外层颜色 Cover Color

红, 黑, 蓝, 灰, 白, 绿, 黄, 红透, 蓝透, 黑透, 紫透, 绿透
Red, black, blue, gray, white, green, yellow, clear-red, clear-blue, clear-black, clear-purple, clear-green

包装类型 Package Types

卷, 卷轴, 纸箱, 托盘, 木箱
Roll, Reel, Carton, Pallet, Wooden Case

产品认证 Certification

ISO9001:2015 | RoHS Directive (EU) 2015/863 | USFDA 21 CFR 177.1550 | EU GHS SDS | ISO/TS 16949

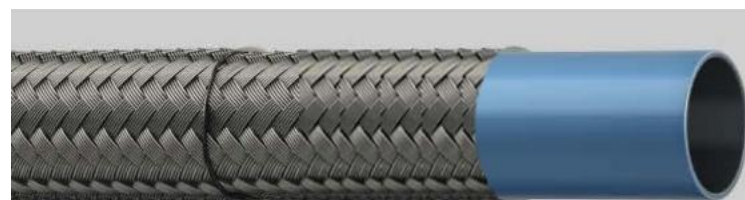
导电系数 Conductivity

10⁶

No. 编号													
	内径 I. D.		外径 O. D.		内管壁厚 W. T		工作压力 W. P.		爆破压力 B. P.		弯曲半径 MIN. B. R.		
	(inch)	(mm)	(inch)	(mm)	(inch)	(mm)	(psi)	(bar)	(psi)	(bar)	(inch)	(mm)	
ZXGM131-02	1/8"	3	0.244	6.2	0.039	1	3625	250	14500	1000	0.630	16	
ZXGM131-03	5/32"	4	0.283	7.2	0.039	1	3443.8	238	13775	950	0.787	20	
ZXGM131-04	3/16"	5	0.323	8.2	0.039	1	2972.5	205	11890	820	0.787	20	ZXTF0-03
ZXGM131-05	1/4"	6	0.362	9.2	0.039	1	2465	170	9860	680	1.063	27	ZXTF0-04
ZXGM131-06	5/16"	8	0.453	11.5	0.039	1	2356.3	163	9425	650	1.063	27	ZXTF0-05
ZXGM131-08	3/8"	10	0.531	13.5	0.039	1	1812.5	125	7250	500	1.378	35	ZXTF0-06
ZXGM131-10	1/2"	12	0.610	15.5	0.039	1	1631.3	113	6525	450	3.543	90	ZXTF0-08



ZXGM131-2W
高压气体管系列
High Pressure Gas Hose



ZXGM131B-2W
防静电高压气体管系列
Conductive High Pressure Gas Hose

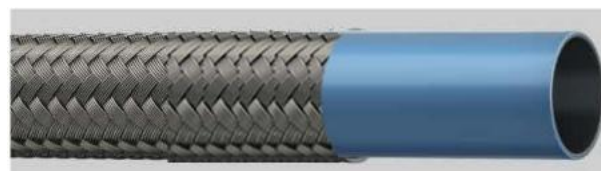


内管特性 Core Properties	聚四氟乙烯(P.T.F.E) 耐高低温, 耐腐蚀, 抗老化, 不粘 PTFE is resistant to low & high temperature, corrosion, age, with non-sticky surface
增强结构 Reinforcement	两层高强304&316钢丝编织 Double layers of high tensile stainless steel 304/316 wire braided
工作温度 Working Temperature	内管耐温-65°C~260°C -65°C~260°C(-85F~500F)
输送介质 Transfer Medium	高温油, 高温水, 高温蒸汽, 气体, 强酸, 强碱, 石油, 柴油, 汽油, 化工, 食品, 医药, 胶水等各种流体 High temp oil, high temp water, steam, gas, strong acid, strong alkali, petroleum, diesel, gasoline, chemical, food, medicine, glue & other fluids
外包/编织层 Outer Cover	涤纶, 芳纶, 玻璃纤维, 尼龙, 硅胶, PVC, PU, EPDM Polyester, Aramid fiber, glass fiber, Nylon, Silicone, PVC, PU, EPDM
外层颜色 Cover Color	红, 黑, 蓝, 灰, 白, 绿, 黄, 红透, 蓝透, 黑透, 紫透, 绿透 Red, black, blue, gray, white, green, yellow, clear-red, clear-blue, clear-black, clear-purple, clear-green
包装类型 Package Types	卷, 卷轴, 纸箱, 托盘, 木箱 Roll, Reel, Carton, Pallet, Wooden Case
产品认证 Certification	ISO9001:2015 RoHS Directive(EU)2015/863 US FDA 21 CFR 177.1550 EU GHS SDS ISO/TS 16949
导电系数 Conductivity	10 ⁶

No. 编号													套筒规格 Collar Spec.
	内径 I. D. (inch)	(mm)	外径 O. D. (inch)	(mm)	内管壁厚 W. T. (inch)	(mm)	工作压力 W. P. (psi)	(bar)	爆破压力 B. P. (psi)	(bar)	弯曲半径 MIN. B. R. (inch)	(mm)	
ZXGM131-02-2W	1/8"	3	0.291	7.4	0.039	1	3987.5	275	15950	1100	0.630	16	
ZXGM131-03-2W	5/32"	4	0.331	8.4	0.039	1	3806.3	263	15225	1050	0.787	20	
ZXGM131-04-2W	3/16"	5	0.374	9.5	0.039	1	3335	230	13340	920	0.787	20	ZXTF0-03
ZXGM131-05-2W	1/4"	6	0.421	10.7	0.039	1	2827.5	195	11310	780	1.063	27	ZXTF0-04
ZXGM131-06-2W	5/16"	8	0.512	13	0.039	1	2718.8	188	10875	750	1.063	27	ZXTF0-05
ZXGM131-08-2W	3/8"	10	0.591	15	0.039	1	2175	150	8700	600	1.378	35	ZXTF0-06
ZXGM131-10-2W	1/2"	12	0.669	17	0.039	1	1993.8	138	7975	550	3.543	90	ZXTF0-08



ZXGM141
厚壁高压系列
Medium Pressure Gas Hose



ZXGM141B
防静电厚壁高压系列
Medium Pressure Gas Hose

ZXGM141-PL 加厚光面编织管外编织棉线
Medium Pressure Gas Hose With Polyester Braid



ZXGM141-PU 加厚光面编织管外包PU
Medium Pressure Gas Hose With PU Coated



德系工艺
German Quality



内管特性

Core Properties

聚四氟乙烯(P.T.F.E) 耐高低温, 耐腐蚀, 抗老化, 不粘

PTFE is resistant to low & high temperature, corrosion, ageing, with non-sticky surface

增强结构

Reinforcement Layer

一层 高强 304 & 316 钢丝 编织

One layer of high tensile stainless steel 304/316 wire braided

工作温度

Working Temperature

内管耐温 -65°C ~ 250°C

-65°C ~ 250°C (-85°F ~ 482°F)

输送介质

Transfer Medium

高温油, 高温水, 高温蒸汽, 气体, 强酸, 强碱, 石油, 柴油, 汽油, 化工, 食品, 医药, 胶水等各种流体

High temp oil, high temp water, steam, gas, strong acid, strong alkali, petroleum, diesel, gasoline, chemical, food, medicine, glue & other fluids

外包/编织层

Outer Cover

涤纶, 芳纶, 玻璃纤维, 尼龙, 硅胶, PVC, PU, EPDM

Polyester, Aramid fiber, glass fiber, Nylon, Silicone, PVC, PU, EPDM

外层颜色

Cover Color

红, 黑, 蓝, 灰, 白, 绿, 黄, 红透, 蓝透, 黑透, 紫透, 绿透

Red, black, blue, gray, white, green, yellow, clear-red, clear-blue, clear-black, clear-purple, clear-green

包装类型

Package Types

卷, 卷轴, 纸箱, 托盘, 木箱

Roll, Reel, Carton, Pallet, Wooden Case

产品认证

Certification

ISO9001:2015 | RoHS Directive (EU) 2015/863 | US FDA 21 CFR 177.1550 | EU GHS SDS | ISO/TS 16949

导电系数

Conductivity

10⁶

No. 编号													套筒规格
	内径 I. D.		外径 O. D.		内管壁厚 W. T		工作压力 W. P.		爆破压力 B. P.		弯曲半径 MIN. B. R.		
	(inch)	(mm)	(inch)	(mm)	(inch)	(mm)	(psi)	(bar)	(psi)	(bar)	(inch)	(mm)	
ZXGM141-05	14"	6.5	0.394	10	0.039	1	2718.8	188	10875	750	4.331	110	ZXTF0-04
ZXGM141-06	5/16"	8	0.469	11.9	0.047	1.2	2555.6	176	10223	705	6.299	160	ZXTF0-05
ZXGM141-08	3/8"	10	0.571	14.5	0.059	1.5	1993.8	138	7975	550	8.268	210	ZXTF0-06
ZXGM141-10	1/2"	13	0.701	17.8	0.059	1.5	1812.5	125	7250	500	9.843	250	ZXTF0-08
ZXGM141-12	5/8"	16	0.819	20.8	0.059	1.5	1413.8	98	5655	390	17.323	440	ZXTF0-10
ZXGM141-14	3/4"	19	0.965	24.5	0.078	2	1268.8	88	5075	350	20.079	510	ZXTF0-12
ZXGM141-18	1"	25.4	1.224	31.1	0.078	2	870	60	3480	240	21.220	539	ZXTF0-16



ZXGM141-2W
厚壁高压系列
High Pressure Gas Hose



ZXGM141B-2W
防静电厚壁高压系列
Conductive High Pressure Gas Hose



内管特性
Core Properties

聚四氟乙烯(P.T.F.E) 耐高低温, 耐腐蚀, 抗老化, 不粘
PTFE is resistant to low & high temperature, corrosion, age, with non-sticky surface

增强结构
Reinforcement

两层高强304&316钢丝编织
Double layers of high tensile stainless steel 304/316 wire braided

工作温度
Working Temperature

内管耐温-65°C~260°C
-65°C~260°C (-85°F~500°F)

输送介质
Transfer Medium

高温油, 高温水, 高温蒸汽, 气体, 强酸, 强碱, 石油, 柴油, 汽油, 化工, 食品, 医药, 胶水等各种流体
High temp oil, high temp water, steam, gas, strong acid, strong alkali, petroleum, diesel, gasoline, chemical, food, medicine, glue & other fluids

外包/编织层
Outer Cover

涤纶, 芳纶, 玻璃纤维, 尼龙, 硅胶, PVC, PU, EPDM
Polyester, Aramid fiber, glass fiber, Nylon, Silicone, PVC, PU, EPDM

外层颜色
Cover Color

红, 黑, 蓝, 灰, 白, 绿, 黄, 红透, 蓝透, 黑透, 紫透, 绿透
Red, black, blue, gray, white, green, yellow, clear-red, clear-blue, clear-black, clear-purple, clear-green

包装类型
Package Types

卷, 卷轴, 纸箱, 托盘, 木箱
Roll, Reel, Carton, Pallet, Wooden Case

产品认证
Certification

ISO9001:2015 | RoHS Directive (EU) 2015/863 | US FDA 21 CFR 177.1550 | EU GHS SDS | ISO/TS 16949

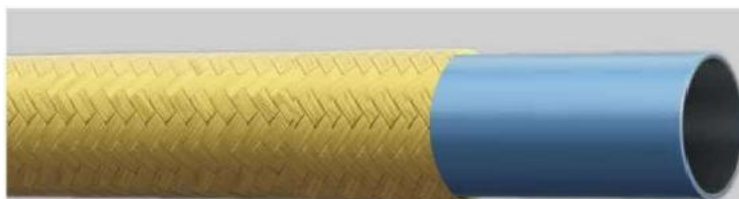
导电系数
Conductivity

10⁶

No. 编号							套筒规格 Collar Spec.						
	内径 I. D.		外径 O. D.		内管壁厚 W. T			工作压力 W. P.		爆破压力 B. P.		弯曲半径 MIN. B. R.	
	(inch)	(mm)	(inch)	(mm)	(inch)	(mm)		(psi)	(bar)	(psi)	(bar)	(inch)	(mm)
ZXGM141-05-2W	1/4"	6.5	0.453	11.5	0.039	1	3262.5	225	13050	900	4.331	110	ZXTF0-04
ZXGM141-06-2W	5/16"	8	0.528	13.4	0.047	1.2	3081.3	213	12325	850	6.299	160	ZXTF0-05
ZXGM141-08-2W	3/8"	10	0.630	16	0.059	1.5	2392.5	165	9570	660	8.268	210	ZXTF0-06
ZXGM141-10-2W	1/2"	13	0.764	19.4	0.059	1.5	2175	150	8700	600	9.843	250	ZXTF0-08
ZXGM141-12-2W	5/8"	16	0.890	22.6	0.059	1.5	1703.8	118	6815	470	17.323	440	ZXTF0-10
ZXGM141-14-2W	3/4"	19	1.024	26	0.079	2	1522.5	105	6090	420	20.079	510	ZXTF0-12
ZXGM141-18-2W	1"	25.4	1.307	33.2	0.079	2	1051.3	73	4205	290	21.220	539	ZXTF0-16



ZXGM151
轻量管系列
Light Weight Hose



ZXGM151B
防静电轻量管系列
Conductive Light Weight Hose



内管特性

Core Properties

聚四氟乙烯(P.T.F.E) 耐高低温, 耐腐蚀, 抗老化, 不粘

PTFE is resistant to low & high temperature, corrosion, ageing, with non-sticky surface

工作温度

Working Temperature

内管耐温-65°C~220°C

-65°C-220°C(-85F~428F)

输送介质

Transfer Medium

高温油, 高温水, 高温蒸汽, 强酸, 强碱, 石油, 柴油, 汽油, 化工, 食品, 医药, 胶水等各种流体

High temp oil, high temp water, steam, strong acid, strong alkali, petroleum, diesel, gasoline, chemical, food, medicine, glue & other fluids

结构层

Outer Cover

芳纶

Aramid fiber

外层颜色

Cover Color

红, 黑, 灰, 绿, 黄

Red, black, gray, green, yellow

包装类型

Package Types

卷, 卷轴, 纸箱, 托盘, 木箱

Roll, Reel, Carton, Pallet, Wooden Case

产品认证

Certification

ISO9001:2015 | RoHS Directive(EU)2015/863 US FDA21 CFR 177.1550 | EU GHS SDS | ISO/TS 16949

导电系数

Conductivity

10⁶

No. 编号													
	内径 I. D.		外径 O. D.		内管壁厚 W. T		工作压力 W. P.		爆破压力 B. P		弯曲半径 MIN. B. R.		套筒规格
	(inch)	(mm)	(inch)	(mm)	(inch)	(mm)	(psi)	(bar)	(psi)	(bar)	(inch)	(mm)	Collar Spec.
ZXGM151-05	1/4"	6.4	0.362	9.2	0.033	0.85	2538	175	10150	700	1.575	40	ZXTF0-04
ZXGM151-06	5/16"	8	0.441	11.2	0.033	0.85	2175	150	8700	600	2.362	60	ZXTF0-05
ZXGM151-08	3/8"	10	0.516	13.1	0.033	0.85	1958	118	7830	470	3.150	80	ZXTF0-06
ZXGM151-10	1/2"	13	0.650	16.5	0.039	1	2272	100	6818	400	5.906	150	ZXTF0-08
ZXGM151-12	5/8"	16	0.764	19.4	0.039	1	979	68	3915	270	7.087	180	ZXTF0-10
ZXGM151-14	3/4"	19	0.909	23.1	0.047	1.2	834	58	3335	230	11.811	300	ZXTF0-12
ZXGM151-16	7/8"	22.2	1.024	26.0	0.047	1.2	689	48	2755	190	10.236	260	ZXTF0-14
ZXGM151-18	1"	25.4	1.201	30.5	0.059	2	544	38	2175	150	15.748	400	ZXTF0-16



ZXGM161
超高压系列
Ultra-High Pressure Hose



ZXGM161B
防静电超高压系列
Conductive Ultra-High Pressure Hose



内管特性

Core Properties

聚四氟乙烯(P.T.F.E) 耐高低温, 耐腐蚀, 抗老化, 不粘

PTFE is resistant to low & high temperature, corrosion, ageing, with non-sticky surface

增强结构

Reinforcement

一二三四层镀锌缠绕, 第五层304钢丝编织

Four layers of zinc-coated wire spiral & outer one layer of stainless steel 304 wire braided

工作温度

Working Temperature

内管耐温 -65°C ~ 220°C

-65°C ~ 220°C (-85°F ~ 428°F)

输送介质

Transfer Medium

高温油, 高温水, 高温蒸汽, 强酸, 强碱, 石油, 柴油, 汽油, 化工, 食品, 医药, 胶水等各种流体

High temp oil, high temp water, steam, strong acid, strong alkali, petroleum, diesel, gasoline, chemical, food, medicine, glue & other fluids

包装类型

Package Types

卷, 卷轴, 纸箱, 托盘, 木箱

Roll, Reel, Carton, Pallet, Wooden Case

产品认证

Certification

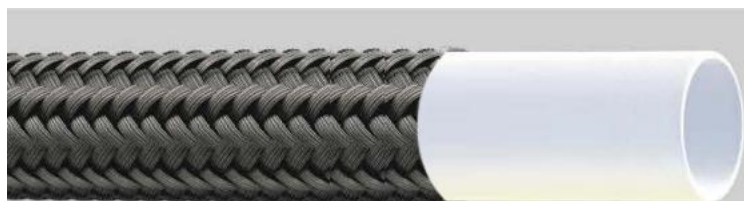
ISO9001:2015 | RoHS Directive (EU) 2015/863 | US FDA 21 CFR 177.1550 | EU GHS SDS | ISO/TS 16949

导电系数

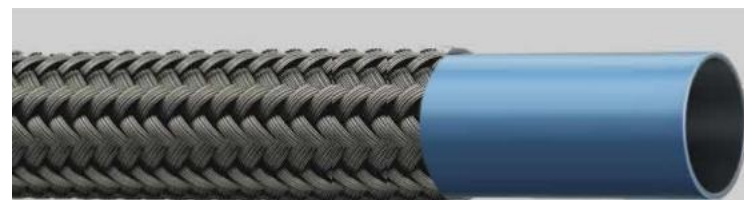
Conductivity

10⁶

No. 编号												
	内径 I. D.		外径 O. D.		内管壁厚 W. T.		工作压力 W. P.		爆破压力 B. P.		弯曲半径 MIN. B. R.	
	(inch)	(mm)	(inch)	(mm)	(inch)	(mm)	(psi)	(bar)	(psi)	(bar)	(inch)	(mm)
ZXGM161-08	3/8"	10	0.630	16	0.059	1.5	4833	333	14500	1000	8.307	211
ZXGM161-10	1/2"	13	0.866	22	0.059	1.5	4833	333	14500	1000	7.165	182
ZXGM161-12	5/8"	16	0.984	25	0.059	1.5	4350	300	13050	900	8.307	211
ZXGM161-14	3/4"	19	1.142	29	0.079	2	3867	267	11600	800	13.307	338
ZXGM161-18	1"	25	1.456	37	0.079	2	3383	233	10150	700	21.220	539
ZXGM161-20	1-1/4"	32	1.772	45	0.079	2	2948	203	8845	610	33.465	850



ZXGM171
高性能系列(多股)
High Performance Hose



ZXGM171B
防静电高性能系列(多股)
Conductive High Performance Hose



内管特性

Core Properties

聚四氟乙烯(P.T.F.E)耐高低温,耐腐蚀,抗老化,不粘

PTFE is resistant to low & high temperature, corrosion, ageing, with non-sticky surface

增强结构

Reinforcement

多股304钢丝编织

Stainless steel 304 wire bunch braided

工作温度

Working Temperature

内管耐温-65℃~260℃

-65℃~260℃(-85F~500F)

输送介质

Transfer Medium

高温油, 高温水, 高温蒸汽, 强酸, 强碱, 石油, 柴油, 汽油, 化工, 食品, 医药, 胶水等各种流体

High temp oil, high temp water, steam, strong acid, strong alkali, petroleum, diesel, gasoline, chemical, food, medicine, glue & other fluids

包装类型

Package Types

卷, 卷轴, 纸箱, 托盘, 木箱

Roll, Reel, Carton, Pallet, Wooden Case

产品认证

Certification

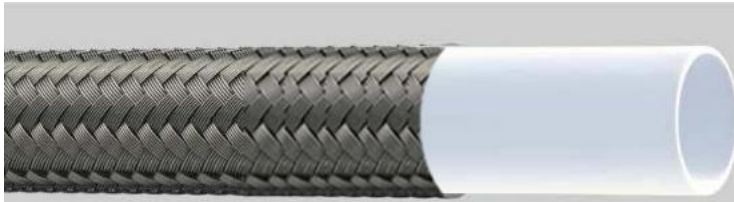
ISO9001:2015 | RoHS Directive(EU)2015/863 | US FDA 21 CFR 177.1550 | EUGHS SDS | ISO/TS 16949

导电系数

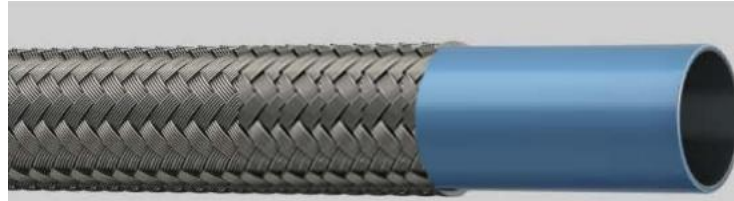
Conductivity

10⁶

No. 编号												
	内径 I. D.		外径 O. D.		内管壁厚 W. T.		工作压力 W. P.		爆破压力 B. P.		弯曲半径 MIN. B. R.	
	(inch)	(mm)	(inch)	(mm)	(inch)	(mm)	(psi)	(bar)	(psi)	(bar)	(inch)	(mm)
ZXGM171-04	3/16"	5	0.362	9.2	0.039	1	4002	276	16008	1104	1.575	40
ZXGM171-05	1/4"	6.5	0.402	10.2	0.039	1	4002	276	16008	1104	2.362	60
ZXGM171-06	5/16"	8	0.535	13.6	0.047	1.2	4002	276	16008	1104	3.150	80
ZXGM171-08	3/8"	10	0.622	15.8	0.059	1.5	4002	276	16008	1104	5.906	150
ZXGM171-10	1/2"	13	0.732	18.6	0.059	1.5	3625	250	14500	1000	7.087	180
ZXGM171-12	5/8"	16	0.846	21.5	0.059	1.5	3625	250	14500	1000	11.811	300
ZXGM171-14	3/4"	19	1.142	29	0.079	2	3625	250	14500	1000	10.236	260
ZXGM171-18	1"	25.4	1.319	33.5	0.079	2	3625	250	14500	1000	15.748	400



ZXAN001
AN 汽车管
Automotive PTFEHose



ZXAN001B
防静电AN 汽车管
Conductive Automotive PTFE Hose



内管特性
Core Properties

聚四氟乙烯 (P. T. F. E) 耐高低温, 耐腐蚀, 抗老化, 不粘
PTFE is resistant to low & high temperature, corrosion, ageing, with non-sticky surface

增强结构
Reinforcement Layer

一层高强304&316钢丝编织
One layer of high tensile stainless steel 304/316 wire braided

工作温度
Working Temperature

内管耐温 -65°C ~ 260°C
-65°C ~ 260°C (-85°F ~ 500°F)

输送介质
Transfer Medium

高温油, 高温水, 高温蒸汽, 石油, 柴油, 汽油, 化工, 冷却液等各种流体
High temp oil, high temp water, steam, petroleum, diesel, gasoline, chemical, coolant & other fluids

外包/编织层
Outer Cover

涤纶, 芳纶, 玻璃纤维, 尼龙, 硅胶, PVC, PU, EPDM
Polyester, Aramid fiber, glass fiber, Nylon, Silicone, PVC, PU, EPDM

外层颜色
Cover Color

红, 黑, 蓝, 灰, 白, 绿, 黄, 红透, 蓝透, 黑透, 紫透, 绿透
Red, black, blue, gray, white, green, yellow, clear-red, clear-blue, clear-black, clear-purple, clear-green

包装类型
Package Types

卷, 卷轴, 纸箱, 托盘, 木箱
Roll, Reel, Carton, Pallet, Wooden Case

产品认证
Certification

ISO9001:2015 | RoHS Directive (EU) 2015/863 | US FDA 21 CFR 177.1550 | EUGHS SDS | ISO/TS 16949

导电系数
Conductivity

10⁶

No. 编号													
	内径 I. D.		外径 O. D.		内管壁厚 W. T		工作压力 W. P.		爆破压力 B. P		弯曲半径 MIN. B. R.		套筒规格
	(inch)	(mm)	(inch)	(mm)	(inch)	(mm)	(psi)	(bar)	(psi)	(bar)	(inch)	(mm)	Collar Spec.
ZXAN001-03	9/64"	3.56	0.250	6.4	0.039	1	3001.5	207	12006	828	2.008	51	AN3
ZXAN001-04	3/16"	4.83	0.315	8	0.033	0.85	3001.5	207	12006	828	2.953	75	AN4
ZXAN001-06	21/64"	8.13	0.430	10.9	0.028	0.7	2501.3	173	10005	690	3.622	92	AN6
ZXAN001-08	27/64"	10.67	0.540	13.7	0.028	0.7	2001	138	8004	552	5.157	131	AN8
ZXAN001-10	33/64"	12.95	0.630	16	0.033	0.85	1500.8	104	6003	414	7.165	182	AN10
ZXAN001-12	41/64"	16.26	0.760	19.3	0.039	1	1000.5	69	4002	276	8.307	211	AN12
ZXAN001-16	7/8"	22.22	1.030	26.2	0.039	1	750.4	52	3001.5	207	16.575	421	AN16
ZXAN001-20	1-1/8"	28.57	1.290	32.8	0.047	1.2	627.1	43	2508.5	173	25.591	650	AN20



ZXBW201
波纹编织管
PTFE Convolved Hose



ZXBW201B
防静电波纹编织管
PTFE Convolved Hose

ZXBW201-PL 螺旋波纹编织管外编织棉线
PTFE Convolved Hose With Polyester Braid



ZXBW201-PU 螺旋波纹编织管外包PU
PTFE Convolved Hose With PU Coated



德系工艺
German Quality



内管特性

Core Properties

聚四氟乙烯(P.T.F.E) 耐高低温, 耐腐蚀, 抗老化, 不粘
PTFE is resistant to low & high temperature, corrosion, ageing, with non-sticky surface

增强结构

Reinforcement Layer

一层高强304&316钢丝编织
One layer of high tensile stainless steel 304/316 wire braided

工作温度

Working Temperature

内管耐温-65°C~260°C
-65°C-260°C(-85F-500F)

输送介质

Transfer Medium

高温油, 高温水, 高温蒸汽, 强酸, 强碱, 石油, 柴油, 汽油, 化工, 食品, 医药, 胶水等各种流体
High temp oil, high temp water, steam, strong acid, strong alkali, petroleum, diesel, gasoline, chemical, food, medicine, glue & other fluids

外包/编织层

Outer Cover

涤纶, 芳纶, 玻璃纤维, 尼龙, 硅胶, PVC, PU, EPDM
Polyester, Aramid fiber, glass fiber, Nylon, Silicone, PVC, PU, EPDM

外层颜色

Cover Color

红, 黑, 蓝, 灰, 白, 绿, 黄, 红透, 蓝透, 黑透, 紫透, 绿透
Red, black, blue, gray, white, green, yellow, clear-red, clear-blue, clear-black, clear-purple, clear-green

包装类型

Package Types

卷, 卷轴, 纸箱, 托盘, 木箱
Roll, Reel, Carton, Pallet, Wooden Case

产品认证

Certification

ISO9001:2015 | RoHS Directive(EU)2015/863 USFDA 21CFR 177.1550 EU GHS SDS | ISO/TS 16949

导电系数

Conductivity

10⁶

No. 编号													
	内径 I. D.		外径 O. D.		内管壁厚 W. T		工作压力 W. P.		爆破压力 B. P.		弯曲半径 MIN. B. R.		套筒规格
	(inch)	(mm)	(inch)	(mm)	(inch)	(mm)	(psi)	(bar)	(psi)	bar)	(inch)	(mm)	Collar Spec.
ZXBW201-04	3/16"	5	0.413	10.5	0.024	0.6	1885	130	7540	520	0.394	10	ZX710-03
ZXBW201-05	1/4"	6.5	0.480	12.2	0.024	0.6	1813	125	7250	500	0.394	10	ZX710-04
ZXBW201-06	5/16"	8	0.524	13.3	0.028	0.7	1631	112.5	6525	450	0.591	15	ZX710-05
ZXBW201-08	3/8"	10	0.610	15.5	0.03	0.75	1595	110	6380	440	0.787	20	ZX710-06
ZXBW201-10	1/2"	13	0.748	19	0.031	0.8	1269	88	5075	350	0.984	25	ZX710-08
ZXBW201-12	5/8"	16	0.894	22.7	0.033	0.85	1015	70	4060	280	1.181	30	ZX710-10
ZXBW201-14	3/4"	19	1.063	27	0.039	1	943	65	3770	260	2.362	60	ZX710-12
ZXBW201-16	7/8"	22.2	1.181	30	0.039	1	906	62.5	3625	250	3.150	80	ZX710-14
ZXBW201-18	1"	25	1.339	34	0.039	1	834	57.5	3335	230	3.346	85	ZX710-16
ZXBW201-20	1-1/8"	28	1.398	35.5	0.043	1.1	798	55	3190	220	3.740	95	ZX710-18
ZXBW201-22	1-1/4"	32	1.693	43	0.043	1.1	798	55	3190	220	3.937	100	ZX710-20
ZXBW201-26	1-1/2"	38	1.949	49.5	0.055	1.4	761	52.5	3045	210	6.102	155	ZX710-24
ZXBW201-32	2"	50	2.500	63.5	0.079	2	725	50	2900	200	7.874	200	ZX710-32



ZXBW202
中间加棉波纹编织管
Polyester Braided PTFE Convuluted Hose



ZXBW202B
防静电中间加棉波纹编织管
Polyester Braided Conductive PTFE Convuluted Hose



内管特性

Core Properties

聚四氟乙烯 (P. T. F. E) 耐高低温, 耐腐蚀, 抗老化, 不粘
PTFE is resistant to low & high temperature, corrosion, ageing, with non-sticky surface

中间层

Middle Layer

涤纶, 芳纶, 玻璃纤维
Polyester, Aramid fiber, glass fiber

增强结构

Reinforcement Layer

一层高强304&316钢丝编织
One layer of high tensile stainless steel 304/316 wire braided

工作温度

Working Temperature

内管耐温 -65°C ~ 260°C
-65°C ~ 260°C (-85°F ~ 500°F)

输送介质

Transfer Medium

高温油, 高温水, 高温蒸汽, 强酸, 强碱, 石油, 柴油, 汽油, 化工, 食品, 医药, 胶水等各种流体
High temp oil, high temp water, steam, strong acid, strong alkali, petroleum, diesel, gasoline, chemical, food, medicine, glue & other fluids

外包/编织层

Outer Cover

涤纶, 芳纶, 玻璃纤维, 尼龙, 硅胶, PVC, PU, EPDM
Polyester, Aramid fiber, glass fiber, Nylon, Silicone, PVC, PU, EPDM

外层颜色

Cover Color

红, 黑, 蓝, 灰, 白, 绿, 黄, 红透, 蓝透, 黑透, 紫透, 绿透
Red, black, blue, gray, white, green, yellow, clear-red, clear-blue, clear-black, clear-purple, clear-green

包装类型

Package Types

卷, 卷轴, 纸箱, 托盘, 木箱
Roll, Reel, Carton, Pallet, Wooden Case

产品认证

Certification

ISO9001:2015 | RoHS Directive (EU) 2015/863 | US FDA 21 CFR 177.1550 | EUGHS SDS | ISO/TS 16949

导电系数

Conductivity

10⁶

No. 编号													
	内径 I. D.		外径 O. D.		内管壁厚 W. T		工作压力 W. P.		爆破压力 B. P.		弯曲半径 MIN. B. R.		套筒规格
	(inch)	(mm)	(inch)	(mm)	(inch)	(mm)	(psi)	(bar)	(psi)	(bar)	(inch)	(mm)	Collar Spec.
ZXBW202-04	3/16"	5	0.472	12	0.035	0.6	2229	153.8	8918	615	0.394	10	ZX710-03
ZXBW202-05	1/4"	6.5	0.504	12.8	0.035	0.6	1885	130	7540	520	0.394	10	ZX710-04
ZXBW202-06	5/16"	8	0.543	13.8	0.035	0.7	1704	117.5	6815	470	0.591	15	ZX710-05
ZXBW202-08	3/8"	10	0.650	16.5	0.035	0.75	1668	115	6670	460	0.787	20	ZX710-06
ZXBW202-10	1/2"	13	0.768	19.5	0.035	0.8	1287	88.8	5148	355	0.984	25	ZX710-08
ZXBW202-12	5/8"	16	0.945	24	0.035	0.85	1088	75	4350	300	1.969	50	ZX710-10
ZXBW202-14	3/4"	19	1.102	28	0.035	1	1015	70	4060	280	2.480	63	ZX710-12
ZXBW202-16	7/8"	22.2	1.240	31.5	0.039	1	1015	70	4060	280	3.150	80	ZX710-14
ZXBW202-18	1"	25.4	1.358	34.5	0.039	1	906	62.5	3625	250	3.346	85	ZX710-16



ZXBW203
中间夹布波纹编织管
Tape Wrapped PTFE Convuluted Hose



ZXBW203B
防静电中间夹布波纹编织管
Tape Wrapped Conductive PTFE Convuluted Hose



内管特性
Core Properties

聚四氟乙烯(P.T.F.E) 耐高低温,耐腐蚀,抗老化,不粘
PTFE is resistant to low & high temperature, corrosion, ageing, with non-sticky surface

中间层
Middle Layer

缠绕布
Tape Wrapped

增强结构
Reinforcement Layer

一层高强304&316钢丝编织
One layer of high tensile stainless steel 304/316 wire braided

工作温度
Working Temperature

内管耐温-65℃~210℃
-65℃~210℃ (-85F~410F)

输送介质
Transfer Medium

高温油, 高温水, 高温蒸汽, 强酸, 强碱, 石油, 柴油, 汽油, 化工, 食品, 医药, 胶水等各种流体
High temp oil, high temp water, steam, strong acid, strong alkal, petroleum, diesel, gasoline, chemical, food, medicine, glue & other fluids

外包/编织层
Outer Cover

涤纶, 芳纶, 玻璃纤维, 尼龙, 硅胶, PVC, PU, EPDM
Polyester, Aramid fiber, glass fiber, Nylon, Silicone, PVC, PU, EPDM

外层颜色
Cover Color

红, 黑, 蓝, 灰, 白, 绿, 黄, 红透, 蓝透, 黑透, 紫透, 绿透
Red, black, blue, gray, white, green, yellow, clear-red, clear-blue, clear-black, clear-purple, clear-green

包装类型
Package Types

卷, 卷轴, 纸箱, 托盘, 木箱
Roll, Reel, Carton, Pallet, Wooden Case

产品认证
Certification

ISO9001:2015 | RoHS Directive(EU)2015/863 US FDA21CFR 177.1550 | EUGHS SDS ISO/TS 16949

导电系数
Conductivity

10⁶

No. 编号													
	内径 I. D.		外径 O. D.		内管壁厚 W. T		工作压力 W. P.		爆破压力 B. P.		弯曲半径 MIN. B. R.		
	(inch)	(mm)	(inch)	(mm)	(inch)	(mm)	(psi)	(bar)	(psi)	(bar)	(inch)	(mm)	
ZXBW203-05	1/4"	6.5	0.472	12	0.035	0.6	2175	150	8700	600	0.394	10	ZX710-04
ZXBW203-06	5/16"	8	0.504	12.8	0.035	0.7	1994	137.5	7975	550	0.591	15	ZX710-05
ZXBW203-08	3/8"	10	0.650	16.5	0.035	0.75	1958	135	7830	540	0.787	20	ZX710-06
ZXBW203-10	1/2"	13	0.780	19.8	0.035	0.8	1631	112.5	6525	450	0.984	25	ZX710-08
ZXBW203-12	5/8"	16	0.945	24	0.035	0.85	1378	95	5510	380	1.969	50	ZX710-10
ZXBW203-14	3/4"	19	1.094	27.8	0.035	1	1305	90	5220	360	2.480	63	ZX710-12
ZXBW203-16	7/8"	22.2	1.220	31	0.039	1	1269	87.5	5075	350	3.150	80	ZX710-14
ZXBW203-18	1"	25.4	1.378	35	0.039	1	1088	75	4350	300	3.346	85	ZX710-16



ZXBW204

中间加弹簧波纹编织管

Helix Wire Wound PTFE Convolved Hose



ZXBW204B

防静电中间加弹簧波纹编织管

Helix Wire Wound Conductive PTFE Convolved Hose



ZXBW204-S4

螺旋波纹裸管凹槽加弹簧

Helix Wire Wound PTFE Convolved Tube



内管特性

Core Properties

聚四氟乙烯(P.T.F.E) 耐高低温, 耐腐蚀, 抗老化, 不粘

PTFE is resistant to low & high temperature, corrosion, ageing, with non-sticky surface

中间层

Middle Layer

缠绕304螺旋钢丝

Stainless steel 304 helix wire wound

增强结构

Reinforcement Layer

一层高强304&316钢丝编织

One layer of high tensile stainless steel 304/316 wire braided

工作温度

Working Temperature

内管耐温 -65℃ ~ 260℃

-65℃ ~ 260℃ (-85F ~ 500F)

输送介质

Transfer Medium

高温油, 高温水, 高温蒸汽, 强酸, 强碱, 石油, 柴油, 汽油, 化工, 食品, 医药, 胶水等各种流体

High temp oil, high temp water, steam, strong acid, strong alkali, petroleum, diesel, gasoline, chemical, food, medicine, glue & other fluids

气压

Vacuum

一个大气压

0.1 Mpa

外包/编织层

Outer Cover

涤纶, 芳纶, 玻璃纤维, 尼龙, 硅胶, PVC, PU, EPDM

Polyester, Aramid fiber, glass fiber, Nylon, Silicone, PVC, PU, EPDM

外层颜色

Cover Color

红, 黑, 蓝, 灰, 白, 绿, 黄, 红透, 蓝透, 黑透, 紫透, 绿透

Red, black, blue, gray, white, green, yellow, clear-red, clear-blue, clear-black, clear-purple, clear-green

包装类型

Package Types

卷, 卷轴, 纸箱, 托盘, 木箱

Roll, Reel, Carton, Pallet, Wooden Case

产品认证

Certification

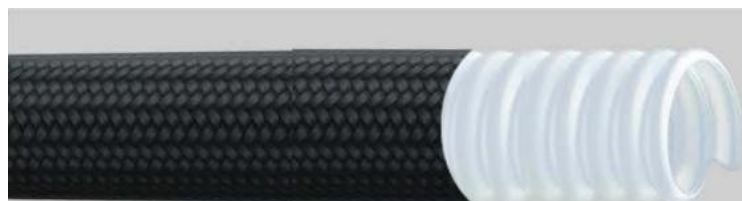
ISO9001:2015 | RoHS Directive (EU) 2015/863 | US FDA 21 CFR 177.1550 | EUGHS SDS | ISO/TS 16949

导电系数

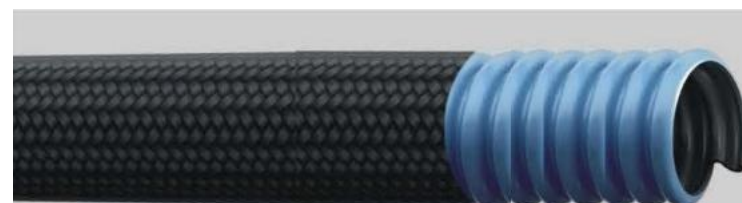
Conductivity

10⁶

No. 编号														
	内径I. D.		外径O. D.		内管壁厚W. T.		工作压力W. P.		爆破压力B. P.		弯曲半径MIN. B. R.		套筒规格	
	(inch)	(mm)	(inch)	(mm)	(inch)	(mm)	(psi)	(bar)	(psi)	(bar)	(inch)	(mm)	Collar	Spec.
ZXBW204-04	3/16"	5	0.433	11□	0.035	0.6	1921	132.5	7685	530	0.984	10	ZX710-03	
ZXBW204-05	1/4"	6.5	0.480	12.2	0.035	0.6	1849	127.5	7395	510	0.984	10	ZX710-04	
ZXBW204-06	5/16"	8	0.524	13.3	0.035	0.7	1668	115	6670	460	1.181	15	ZX710-05	
ZXBW204-08	3/8"	10	0.622	15.8	0.035	0.75	1631	112.5	6525	450	1.378	20	ZX710-06	
ZXBW204-10	1/2"	13	0.748	19	0.035	0.8	1305	90	5220	360	1.772	25	ZX710-08	
ZXBW204-12	5/8"	16	0.894	22.7	0.035	0.85	1051	72.5	4205	290	1.772	30	ZX710-10	
ZXBW204-14	3/4"	19	1.055	26.8	0.035	1	979	67.5	3915	270	2.165	50	ZX710-12	
ZXBW204-16	7/8"	22.2	1.181	30	0.039	1	943	65	3770	260	2.165	65	ZX710-14	
ZXBW204-18	1"	25.4	1.339	34	0.039	1□	870	60	3480	240	2.362	70	ZX710-16	
ZXBW204-20	1-1/8"	28	1.398	35.5	0.039	1	834	57.5	3335	230	2.756	85	ZX710-18	
ZXBW204-22	1-1/4"	32	1.654	42	0.055	1.1	798	55	3190	220	3.15	92	ZX710-20	
ZXBW204-26	1-1/2"	38	1.969	50	0.059	1.4	761	52.5	3045	210	3.937	140	ZX710-24	
ZXBW204-32	2"	50	2.512	63.8	0.079	2	761	52.5	3045	210	4.921	180	ZX710-32	



ZXBW205
外 编PP 编织
PTFE Convuluted Hose With PP Braid



ZXBW205B
防静电外编PP 编织
Conductive PTFE Convuluted Hose With PP Braid



内管特性

Core Properties

聚四氟乙烯(P.T.F.E) 耐高低温，耐腐蚀，抗老化，不粘

PTFE is resistant to low &high temperature,corrosion,ageing,with non-sticky surface

增强层

Core Properties

PP编织

One layer of PPbraided

工作温度

Working Temperature

内管耐温-65℃~180℃

-65℃~180℃(-85F~356F)

输送介质

Transfer Medium

高温油，高温水，高温蒸汽，强酸，强碱，石油，柴油，汽油，化工，食品，医药，胶水等各种流体

High tempoil,high temp water,steam,strong acid,strong alkali,etroleum,diesel,gasoline,chemical,food,medicine,glue &other fluids

外层颜色

Cover Color

黑色、蓝色、紫色

Black,blue,purple

包装类型

Package Types

卷，卷轴，纸箱，托盘，木箱

Roll,Reel,Carton,Pallet,Wooden Case

产品认证

Certification

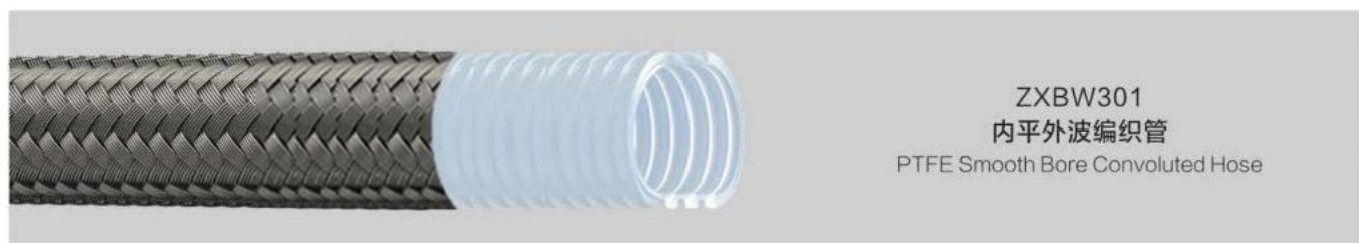
ISO9001:2015 |RoHS Directive(EU)2015/863 |US FDA21 CFR 177.1550 |EUGHS SDS | ISO/TS 16949

导电系数

Conductivity

10⁶

No. 编号													
	内径I. D.		外径O. D.		内管壁厚W. T		工作压力W. P.		爆破压力B. P.		弯曲半径MIN. B. R.		套筒规格
	(inch)	(mm)	(inch)	(mm)	(inch)	(mm)	(psi)	(bar)	(psi)	(bar)	(inch)	(mm)	Collar Spec.
ZXBW205-05	1/4"	6.5	0.512	13	0.035	0.6	1813	125	7250	500	0.394	10	ZX710-04
ZXBW205-06	5/16"	8	0.543	13.8	0.035	0.7	1631	112.5	6525	450	0.591	15	ZX710-05
ZXBW205-08	3/8"	10	0.650	16.5	0.035	0.75	1595	110	6380	440	0.787	20	ZX710-06
ZXBW205-10	1/2"	13	0.768	19.5	0.035	0.8	1494	103	5075	350	0.984	25	ZX710-08
ZXBW205-12	5/8"	16	0.945	24	0.035	0.85	1015	70	4060	280	1.969	30	ZX710-10
ZXBW205-14	3/4"	19	1.094	27.8	0.035	1	943	65	3770	260	2.480	60	ZX710-12
ZXBW205-16	7/8"	22.2	1.220	31	0.039	1	906	62.5	3625	250	3.150	80	ZX710-14
ZXBW205-18	1"	25.4	1.339	34	0.039	1	834	57.5	3335	230	3.346	85	ZX710-16



ZXBW301
内平外波编织管
PTFE Smooth Bore Convuluted Hose



ZXBW301B
防静电内平外波编织管
Conductive PTFE Smooth Bore Convuluted Hose



内管特性
Core Properties

聚四氟乙烯 (P. T. F. E) 耐高低温, 耐腐蚀, 抗老化, 不粘
PTFE is resistant to low & high temperature, corrosion, ageing, with non-sticky surface

增强结构
Reinforcement Layer

一层高强304&316钢丝编织
One layer of high tensile stainless steel 304/316 wire braided

工作温度
Working Temperature

内管耐温 -65°C ~ 260°C
-65°C ~ 260°C (-85°F ~ 500°F)

输送介质
Transfer Medium

高温油, 高温水, 高温蒸汽, 强酸, 强碱, 石油, 柴油, 汽油, 化工, 食品, 医药, 胶水等各种流体
High temp oil, high temp water, steam, strong acid, strong alkali, petroleum, diesel, gasoline, chemical, food, medicine, glue & other fluids

外包/编织层
Outer Cover

涤纶, 芳纶, 玻璃纤维, 尼龙, 硅胶, PVC, PU, EPDM
Polyester, Aramid fiber, glass fiber, Nylon, Silicone, PVC, PU, EPDM

外层颜色
Cover Color

红, 黑, 蓝, 灰, 白, 绿, 黄, 红透, 蓝透, 黑透, 紫透, 绿透
Red, black, blue, gray, white, green, yellow, clear-red, clear-blue, clear-black, clear-purple, clear-green

包装类型
Package Types

卷, 卷轴, 纸箱, 托盘, 木箱
Roll, Reel, Carton, Pallet, Wooden Case

产品认证
Certification

ISO9001:2015 | RoHS Directive (EU) 2015/863 | US FDA 21 CFR 177.1550 | EU GHS SDS | ISO/TS 16949

导电系数
Conductivity

10⁶

No. 编号													
	内径 I. D.		外径 O. D.		内管壁厚 W. T		工作压力 W. P.		爆破压力 B. P.		弯曲半径 MIN. B. R.		套筒规格
	(inch)	(mm)	(inch)	(mm)	(inch)	(mm)	(psi)	(bar)	(psi)	(bar)	(inch)	(mm)	Collar Spec.
ZXBW301-08	3/8"	10	0.551	13.5	0.055	1.4	1740	90	5220	360	0.984	25	ZX710-06
ZXBW301-10	1/2"	13	0.654	16.6	0.063	1.6	1610	83	4829	333	1.102	28	ZX710-08
ZXBW301-12	5/8"	16	0.807	20.5	0.071	1.8	1450	75	4350	300	1.969	50	ZX710-10
ZXBW301-14	3/4"	19	0.949	23.7	0.079	2	1431	74	4292	296	2.480	63	ZX710-12
ZXBW301-18	1"	25.4	1.213	30.8	0.079	2	1141	59	3422	236	3.543	90	ZX710-14
ZXBW301-22	1-1/4"	32	1.457	37	0.079	2	725	38	2175	150	5.906	150	ZX710-16

**ZXBW302****内平外波凹槽加弹簧**

Helix Wire Wound PTFE
Smooth Bore Convuluted Hose

**ZXBW302B****防静电内平外波凹槽加弹簧**

Helix Wire Wound Conductive
PTFE Smooth Bore Convuluted Hose

**ZXBW302-PU****内平外波凹槽加弹簧钢丝编织外包PU**

Helix Wire Wound PTFE Smooth Bore
Convuluted Hose With PU Cover

**内管特性****Core Properties**

聚四氟乙烯(P.T.F.E) 耐高低温, 耐腐蚀, 抗老化, 不粘

PTFE is resistant to low & high temperature, corrosion, ageing, with non-sticky surface

增强结构**Reinforcement Layer**

304&316钢丝编织

Stainless steel 304/316 wire braided

中间层**Middle Layer**

304螺旋加弹簧编织

Stainless steel 304 helix wire wound

工作温度**Working Temperature**

内管耐温-65°C~260°C

-65°C-260°C (-85°F~500°F)

输送介质**Transfer Medium**

高温油, 高温水, 高温蒸汽, 强酸, 强碱, 石油, 柴油, 汽油, 化工, 食品, 医药, 胶水等各种流体

High temp oil, high temp water, steam, strong acid, strong alkali, petroleum, diesel, gasoline, chemical, food, medicine, glue & other fluids

气压**Vacuum**

一个大气压

0.1Mpa

外包/编织层**Outer Cover**

涤纶, 芳纶, 玻璃纤维, 尼龙, 硅胶, PVC, PU, EPDM

Polyester, Aramid fiber, glass fiber, Nylon, Silicone, PVC, PU, EPDM

包装类型**Package Types**

卷, 卷轴, 纸箱, 托盘, 木箱

Roll, Reel, Carton, Pallet, Wooden Case

产品认证**Certification**

ISO9001:2015 | RoHS Directive (EU) 2015/863 US FDA 21 CFR 177.1550 | EU GHS SDS | ISO/TS 16949

导电系数**Conductivity**

10⁶

No. 编号													
	内径I. D.		外径O. D.		内管壁厚W. T		工作压力W. P.		爆破压力B. P		弯曲半径MIN. B. R.		套筒规格
	(inch)	(mm)	(inch)	(mm)	(inch)	(mm)	(psi)	(bar)	(psi)	(bar)	(inch)	(mm)	Collar Spec.
ZXBW302-08	3/8"	10	0.551	13.5	0.055	1.4	1740	90	5220	360	0.984	25	ZX710-06
ZXBW302-10	1/2"	13	0.654	16.6	0.063	1.6	1610	83	4829	333	1.102	28	ZX710-08
ZXBW302-12	5/8"	16	0.807	20.5	0.071	1.8	1450	75	4350	300	1.969	50	ZX710-10
ZXBW302-16	3/4"	19	0.949	23.7	0.079	2	1431	74	4292	296	2.480	63	ZX710-12
ZXBW302-18	1"	25.4	1.213	30.8	0.079	2	1141	59	3422	236	3.543	90	ZX710-14
ZXBW302-22	1-1/4"	32	1.457	37	0.079	2	725	38	2175	150	5.906	150	ZX710-16



ZXPTFE 裸管
PTFE Smooth Bore Tube



ZXPTFE-B 防静电裸管
Conductive PTFE Smooth Bore Tube



内管特性

Core Properties

聚四氟乙烯(P.T.F.E) 耐高低温, 耐腐蚀, 抗老化, 不粘
PTFE is resistant to low&high temperature,corrosion,ageing,with non-sticky surface

工作温度

Working temperature

内管耐温-65°C~260°C
-65°C-260°C(-85F~500F)

输送介质

Transfer Medium

强酸, 强碱, 石油, 柴油, 汽油, 化工, 食品, 医药, 胶水等各种流体
Strong acid,strong alkali,petroleum,diesel,gasoline,chemical,food,medicine,glue &other fluids

管材颜色

Tube Color

红色, 黑色, 蓝色, 乳白色, 半透明等
Red,black,blue,natural white,translucent and etc.

包装类型

Package Types

卷, 卷轴, 纸箱, 托盘, 木箱
Roll,Reel,Carton,Pallet,Wooden Case

导电系数

Conductivity

10⁶

产品认证

Certification

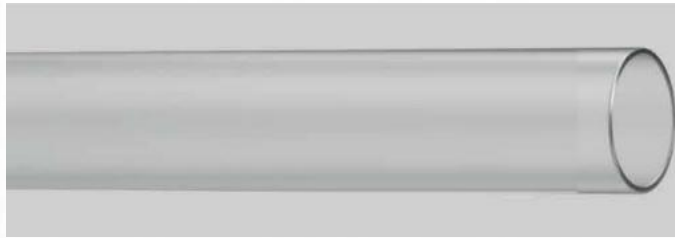
ISO9001:2015 |RoHS Directive(EU)2015/863 |USFDA 21 CFR 177.1550 |EU GHS SDS | ISO/TS 16949

铁氟龙裸管公制表 PTFE Smooth Bore Tube Metric Range

编号 No.	规格 SPEC.	外径O.D.		内径I.D.		内管壁厚W.T.		工作压力W.P.		爆破压力B.P.	
		(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	(psi)□	(bar)	(ps)	(bar)
1	13	3	0.118		0.039		0.039	148	102	444	30.6
2	2*4	4	0.157	2	0.079		0.039	148	102	444	30.6
3	2.5*4	4	0.157	2.5	0.098□	0.75□	0.030	148	10.2	444	30.6
4	3*4	4	0.157	3	0.118	0.5	0.020□	148	10.2	444	30.6
5	3*5	5	0.197	3□	0.118	1	0.039□	148□	102	444	30.6
6	3.2*5.2	5.2	0.205	3.2	0.126	1	0.039	148	10.2	444□	30.6
7	3.5*5.5	5.5	0.217	3.5	0.138	1	0.039	148	102□	444□	30.6
8	4*6	6	0.236	4	0.157	1	0.039	148□	102	444	30.6
9	4.5*5.5	5.5	0.217	4.5	0.177	0.5	0.020	148	102□	444□	30.6
10	5*7	7	0.276	5	0.197	1	0.039	148	102	444	30.6
11	6*8□	8	0.315	6	0.236	1	0.039□	148	102□	444	30.6
12□	6*9	9	0.354	6	0.236	1.5	0.059	148	10.2	444□	30.6
13□	6.5*7.5	7.5	0.295	6.5	0.256	0.5	0.020□	148	102□	444	30.6
14	8*10	10	0.394	8	0.315	1	0.039	148□	10.2□	444□	30.6
15□	10*12	12	0.472	10	0.394		0.039□	118□	8.16	370□	25.5
16	10*12.5	12.5	0.492	10	0.394	1.25	0.049	118	8.16	370	25.5
17	12*14□	14	0.551□	12	0.472		0.039	118	8.16	370□	25.5
18	13*15	15	0.591	13	0.512	1	0.039	118	8.16	370	25.5
19	14*16	16	0.630	14	0.551		0.039□	118	8.16	370□	25.5
20	16*18	18	0.709	16	0.630	1	0.039	118	8.16	370	25.5
21	16*19	19	0.748	16□	0.630	1.5	0.059	118	8.16	370	25.5
22	19*22□	22	0.866	19	0.748	1.5	0.059	74	5.1□	296	20.4
23	20*24	24	0.945	20	0.787	2	0.079□	74	5.1	296	20.4
24	25*28	28	1.102	25	0.984	1.5	0.059	74	5.1	296	20.4
25	25*29	29□	1.142	25	0.984	2	0.079□	74	5.1	296□	20.4
26	32*36	36	1.417	32	1.260	2	0.079	29	2	145	10
27		42	1.654	38	1.496	2	0.079□	29	2	145	10
28	8 "5	54	2.126	50	1.969	2	0.079	29	2	145	10

铁氟龙裸管英制表 PTFE Smooth Bore Tube Imperial Range

编号 No.	规格 SPEC.	外径O.D.		内径I.D.		内管壁厚W.T.		工作压力W.P.		爆破压力B.P.	
		(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	(psi)	(bar)	(psi)	(bar)
1	1/8*1/16"	3.17	0.125	1.58	0.062	0.8	0.031	218	15□	725	50
2	3/16" *1/8"	4.76	0.187	3.17	0.125	0.8	0.031	174	12	638	44□
3	1/4*3/16"	6.35	0.250	4.76	0.187	0.8	0.031	131□	9	464	32
4	5/16 *1/4"	7.93	0.312	6.35	0.250	0.8	0.031	102	7	363	25
5□	3/8*5/16"	9.52	0.375	6.35	0.250	1.5□	0.059	174	12	638	
6	3/8*5/16"	9.52	0.375	7.93	0.312	0.8	0.031	87	6	319	22
7	1/2*3/8"	12.7	0.500	9.6	0.378□	1.5	0.059	131□	9	464	32
8	5/8*1/2"	15.87	0.625	12.7	0.500	1.5□	0.059	102	7	363	25
9	3/4*5/8"	19.05□	0.750	15.87	0.625	1.5□	0.059	87	6	319	2

ZXFEP 裸管
FEP Smooth Bore TubeZXPFA 裸管
PFA Smooth Bore Tube

内管特性

Core Properties

聚全氟乙丙烯 (F. E. P), 可溶性聚四氟乙烯 (P. F. A.) 耐高低温, 耐腐蚀, 抗老化, 不沾
FEP&PFA is resistant to low & high temperature, corrosion, ageing, with non-sticky surface

工作温度

Working Temperature

内管耐温 -85°C ~ 180°C
-85°C ~ 180°C (-121°F ~ 356°F)

包装类型

Package Types

卷, 卷轴, 纸箱, 托盘, 木箱
Roll, Reel, Carton, Pallet, Wooden Case

管材颜色

Tube Color

黑色, 透明
Black, transparent

输送介质

Transfer Medium

强酸, 强碱, 石油, 柴油, 汽油, 化工, 食品, 医药, 胶水等各种流体
Strong acid, strong alkali, petroleum, diesel, gasoline, chemical, food, medicine, glue & other fluids

产品认证

Certification

ISO9001:2015 | RoHS Directive (EU) 2015/863 | US FDA 21CFR 177.1550 | EU GHS SDS | ISO/TS 16949

FEP/PFA裸管公制表

FEP/PFASmooth Bore Tube Metric Range

编号 No.	规格 SPEC.										
		外径 O. D.		内径 I. D.		内管壁厚 W. T.		工作压力 W. P.		爆破压力 B. P.	
		(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	(psi) □	(bar)	(psi)	(bar)
1	1*3	3	0.118		0.039		0.039	148	10.2	444	30.6
2	2*4	4	0.157	2	0.079		0.039	148	10.2	444	30.6
3	2.5*4 □	4	0.157	2.5	0.098	0.75	0.030 □	148	10.2 □	444	30.6
4	3*4	4	0.157	3	0.118	0.5	0.020	148	10.2	444	30.6
5	3*5	5	0.197	3	0.118 □	1	0.039 □	148 □	10.2	444	30.6
6	3.2*5.2	52	0.205	32	0.126	1	0.039 □	148	10.2	444 □	30.6 □
7	3.5*5.5	5.5	0.217	3.5	0.138 □	1	0.039	148	10.2	444 □	30.6
8	4*6	6	0.236	4	0.157		0.039	148 □	10.2	444	30.6
9	4.5*5.5	55	0.217	4.5	0.177	0.5	0.020	148	10.2 □	444 □	30.6
10	5*7	1	0.276	5	0.197	1	0.039	148	10.2	444	30.6
11	6*8 □	8	0.315	6	0.236	1	0.039 □	148	10.2	444 □	30.6
12	6*9	9	0.354	6	0.236	1.5	0.059	148	10.2	444	30.6
13 □	6.5*7.5	75	0.295	6.5	0.256	0.5	0.020	148	10.2 □	444 □	30.6
14	8*10	10	0.394	8	0.315	1	0.039	148 □	10.2 □	444	30.6
15 □	10*12	12	0.472	10	0.394		0.039 □	118	8.16	370 □	25.5
16	10*12.5	125	0.492	10	0.394	1.25	0.039	118	8.16	370	25.5
17	12*14	14	0.551	12	0.472	1	0.039	118	8.16	370	25.5
18	13*15	15	0.591	13	0.512	1	0.039 □	118	8.16	370	25.5
19	14*16	16	0.630	14	0.551 □	1	0.039	118	8.16	370 □	25.5
	16*18 □	18	0.709	16	0.630 □	1	0.039	118 □	8.16	370	25.5
21	16*19	19	0.748	16	0.630	1.5	0.059	118	8.16	370 □	25.5
22	19*22	22	0.866	19	0.748	1.5	0.059	74 □	5.1	296	20.4
23	20*24	24	0.945	20	0.787	2	0.079	74	5.1	296 □	20.4
24	25*28	28	1.102	25	0.984	1.5	0.059	74	5.1	296	20.4
25	25*29	29	1.142 □	25	0.984	2	0.079 □	74	5.1	296	20.4
26	32*36	36	1.417	32	1.260	2	0.079	29	2	145	10
27		42	1.654	38	1.496	2	0.079 □	29	2	145 □	10
28	85	54	2.126	50	1.969	2	0.079	29	2	145 □	10

FEP/PFA裸管英制表

FEP/PFASmooth Bore Tube Imperial Range

编号 No.	规格 SPEC.										
		外径 O. D.		内径 I. D.		内管壁厚 W. T.		工作压力 W. P.		爆破压力 B. P.	
		(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	(psi)	(bar)	(psi)	(bar)
1	1/8*1/16"	3.17	0.125	1.58	0.062 □	0.8	0.031	218	15	725	50
2	3/16*1/8"	4.76	0.187	3.17	0.125	0.8	0.031	174 □	12	638	44
3	1/4*3/16"	6.35	0.250	4.76	0.187	0.8	0.031	131	9 □	464	32
4	5/16*1/4"	7.93	0.312	6.35	0.250	0.8	0.031 □	102		363	25
5	3/8*1/4"	9.52	0.375	6.35 □	0.250	1.5	0.059	174 □	12	638	44
6	3/8*5/16"	9.52	0.375	7.93	0.312	0.8	0.031	87	6	319	22
7	1/2*3/8"	12.7	0.500	9.6	0.378	15	0.059 □	131	9	464 □	32
8	5/8*1/2"	15.87	0.625	12.7	0.500	1.5	0.059	102		363	
9	3/4*5/8"	19.05	0.750	15.87	0.625	15	0.059 □	87	6	319	25



规格 (AWG) Specification	内径 Inner diameter	外径Outer diameter						米/卷 Meter/Roll
		S型 S-Type	壁厚/WT (mm)	T型 T-Type	壁厚/WT (mm)	L型 L-Type	壁厚/WT (mm)	
30	0.30	0.76	0.23±0.05	0.76	0.23±0.05	0.60	0.15±0.04	305
28	0.38	0.84		0.84		0.68		305
26	0.46	0.92		0.92		0.76		305
24	0.56	1.16		1.06	0.25±0.06	0.86		305
23	0.66	1.26	0.30±0.06	1.16		0.96		305
22	0.71	1.31		1.21		1.01		305
21	0.81	1.41		1.31		1.11		305
20	0.86	1.66	0.40±0.07	1.46	0.30±0.06	1.16		305
19	0.96	1.76		1.56		1.26		305
18	1.07	1.87		1.67		1.37		305
17	1.19	1.99		1.79		1.49		305
16	1.34	2.14		1.94		1.64		305
15	1.50	2.3		2.10		1.80	0.20±0.05	153
14	1.68	2.48		2.28		2.08		153
13	1.93	2.73		2.53		2.33		153
12	2.16	2.96		2.77		2.56		153
11	2.41	3.21		3.01		2.81		153
10	2.69	3.49		3.29		3.09		153
9	3.00	4.00	0.50±0.07	3.76	0.38±0.07	3.40	0.25±0.06	100
8	3.38	4.38		4.14		3.78		100
7	3.76	4.76		4.52		4.16		100
6	4.22	5.22		4.98		4.72		100
5	4.72	5.72		5.48		5.22		100
4	5.28	6.28		6.04		5.78		100
3	5.94	6.94		6.70		6.44	0.25±0.06	100
2	6.68	7.68		7.44		7.18		100
1	7.46	8.46		8.22		7.96		100
0	8.38	9.38		9.14		8.88		100



ZXBW
波纹裸管
PTFE Convuluted Tube



ZXBW
防静电波纹裸管
Conductive PTFE Convuluted Tube



内管特性

Core Properties

聚四氟乙烯(P. T. F. E)耐高低温, 耐腐蚀, 抗老化, 不粘

PTFE is resistant to low & high temperature, corrosion, ageing, with non-sticky surface

工作温度

Working Temperature

内管耐温-65°C~260°C

-65°C~260°C (-85F~500F)

输送介质

Transfer Medium

高温油, 高温水, 高温蒸汽, 强酸, 强碱, 石油, 柴油, 汽油, 化工, 食品, 医药, 胶水等各种流体

High temp oil, high temp water, steam, strong acid, strong alkali, petroleum, diesel, gasoline, chemical, food, medicine, glue & other fluids

包装类型

Package Types

卷, 卷轴, 纸箱, 托盘, 木箱

Roll, Reel, Carton, Pallet, Wooden Case

产品认证

Certification

ISO9001:2015 | RoHS Directive(EU)2015/863 | USFDA 21CFR 177.1550 | EUGHS SDS | ISO/TS 16949

导电系数

Conductivity

10⁶

No. 编号	规格 SPEC.										
		外径O. D.		内径I. D		工作压力W. P.		爆破压力B. P.		最小弯曲半径MIN. B. R.	
		(mm)	(inch)	(mm)	(inch)	(psi)	(bar)	(psi)	(bar)	(mm)	(inch)
1	1/4"	9.5	0.374	6.5	0.256	60	4	210	14	20	0.787
2	5/16"	12	0.472	8	0.315	60	4	210	14	22	0.866
3	3/8"	14.5	0.571	10	0.394	60	4	210	14	26	1.024
4	1/2"	17.5	0.689	13	0.512	60	4	210	14	26	1.024
5	5/8"	21.2	0.835	16	0.630	45	3	180	12	32	1.260
6	3/4"	25.5	1.004	19	0.748	45	3	180	12	55	2.165
7	1"	32	1.260	25	0.984	45	3	150	10	80	3.150
8	1-1/4"	42	1.654	32	1.260	38	3	135	9	100	3.937
9	1-1/2"	47	1.850	38	1.496	38	3	135	9	100	3.937
10	2"	61	2.402	50	1.969	30	2	120	8	125	4.921



PTFE 直段螺旋波纹裸管
PTFE Spiral Convoluted Tube With Cuff



PTFE 防静电直段螺旋波纹裸管
Conductive PTFE Spiral Convoluted Tube With Cuff



FEP 直段环形波纹裸管
FEP Annular Convoluted Tube With Cuff



黑色防静电FEP 直段环形波纹裸管
Conductive FEP Annular Convoluted Tube With Cuff

内管特性
Core Properties

聚四氟乙烯螺旋管 (P.T.F.E.), 聚全氟乙丙烯环形管(F.E.P) 耐高低温, 耐腐蚀, 抗老化, 不沾
PTFE&FEP is resistant to low & high temperature, corrosion, ageing, with non-sticky surface

工作温度
PTFE Working Temperature

PTFE 内管耐温-65℃~260℃, FEP 内管耐温-65℃~180℃
PTFE is -65℃~260℃ (-85F~500F), FEP is -65℃~180℃ (-85F~356F)

输送介质
Transfer Medium

强酸, 强碱, 冷却液, 乙二醇, 甲二醇, 柴油, 汽油等各种流体
Strong acid, strong alkali, coolant, ethylene glycol, methylene glycol, diesel, gasoline & other fluids

包装类型
Package Types

纸箱
Carton

管材颜色
Tube Color

白色, 黑色, 透明
Natural white, black, transparent

产品认证
Certification

ISO9001:2015 | RoHS Directive(EU)2015/863 | US FDA21 CFR 177.1550 | EU GHSSDS | ISO/TS 16949

导电系数
Conductivity

10⁶

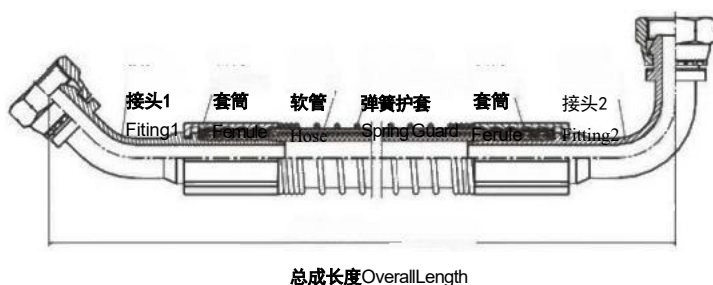
No. 编号	规格 SPEC.												
		直段外径Cuff O.D		直段内径Cuff I.D		波纹外径CON. O.D		工作压力W. P.		爆破压力B. P.		最小弯曲半径MIN. B. R.	
		(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	(psi)	(bar)	(psi)	(bar)	(mm)	(inch)
1	6*8	8	0.315	6	0.236	9.4	0.370	60	4	210	14	20	0.787
2	8*10	10	0.394	8	0.315	10.8	0.425	60	4	210	14	22	0.866
3	10*12	12	0.472	10	0.394	11.8	0.465	60	4	210	14	26	1.024
4	13*15	15	0.591	13	0.512	17.9	0.705	60	4	210	14	26	1.024
5	16*18	18	0.709	16	0.630	21.9	0.862	45	3	180	12	32	1.260
6	19*21	21	0.827	19	0.748	26.4	1.039	45	3	180	12	55	2.165
7	19*22	22	0.866	19	0.748	26.4	1.039	45	3	150	10	65	2.559
8	25*28	28	1.102	25	0.984	35	1.378	38	3	135	9	100	3.937

铁氟龙其他系列产品 Other PTFE Related Products



液压软管总成 HOSE ASSEMBLY

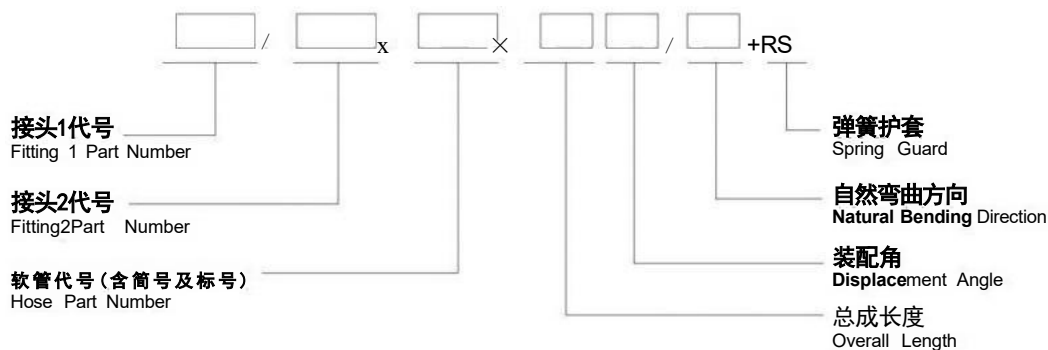
软管总成订货代号How To Order Hose Assembly



如上图示，液压软管总成由软管、接头1、接头2、套筒扣压而成。接头1与接头2可以相同，也可以不同，可以是直芯也可以是弯芯，弹簧护套可以不用。

软管总成的订货代号按下述方法表示：

As the above fig,the hydraulic hose assembly consists of hose,fitting 1,fitting2and ferrule.The fitting 1 maybe the same or different as the fitting 2.They can be straight or elbow.The spring guard may not be used.



订货示例1: 22641-08-08/22691-12-08×1T08×1000V90/SSX+RS;

当无装配角、自然弯曲方向或弹簧护套时，则代号中这些内容可省去不写。

订货示例2: 当接头1与接头2相同时，只标一个接头的代号。

22691-08-08X1T08X1000V90

Example 1: 22641-08-08/22691-12-08X1T08×1000V90/SSX+RS;

Without displacement angle/natural bending direction or spring guard,these part number may be omitted.

Example 2:The assembly with twofittings of the same part number is called out with only one fitting part number.

22691-08-08X1T08×1000V90

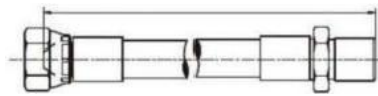
液压软管总成 HOSE ASSEMBLY

软管总成长度测量 How To Measure Assembly

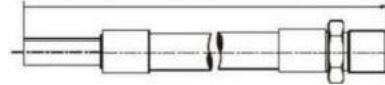
软管总成长度L以从接头芯端面或弯接头芯中心为基准进行测量。如下图示。

The overall length of the hose assembly is measured to the sealing surface of straight fittings or to the centre line of elbow fittings. As the following.

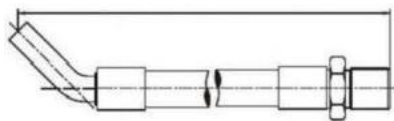
管芯及管端
Length over nipples



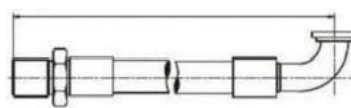
管端
Length between S,P and nipple ends



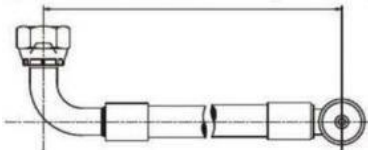
管芯中心线
Length between centre line of angle and banjo



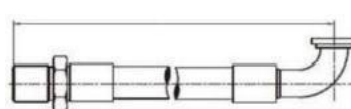
管端及管芯中心
Length between male nipple and centre of female nipple



管芯中心
Length between centre line of angle and banjo



管端及管端中心
Length between male nipple and centre of angle



软管总成长度公差 mm Length Tolerance For Hose Assembly

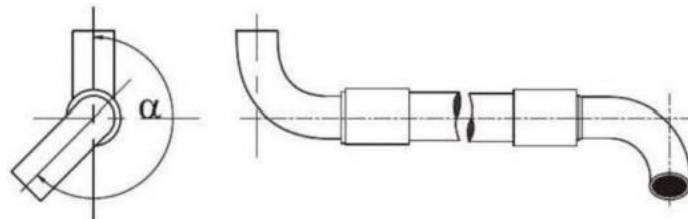
软管总成长度mm Length of Hose Assembly (mm)	下列公称内径软管总成长度公差Tolerance		
	≤25	25<公称内径≤50 Hose DN	>50
≤630	+7mm -3mm	+12mm -4mm	+25mm -6mm
630<总成长度≤1250 Assembly Length	+12mm -4mm	+20mm -6mm	
1250<总成长度≤2500 Assembly Length	+20mm -6mm	+25mm -6mm	
2500<总成长度≤8000 Assembly Length	+1.5% -0.5%		
>8000	+3% -1%		

液压软管总成 HOSE ASSEMBLY

软管总成装配角测量 How To Measure Displacement Angle

当总成的两端接头均为弯接头时，装配时两弯接头间有一角度关系。测量时，把软管总成拉直，并沿直线方向看，把弯接头1置垂直向上方向，按顺时针测量弯接头2与垂直放置的弯接头1之间的夹角，即为软管总成的装配角，用V表示。如图所示，例当装配角 α 为225°时，标记为V225。

Whenever 2elbow fittings are used,the displacement angle needs to be specified.Point the end of coupling 1 to a vertical position as shown in the diagram,measure the angle in a clockwise direction from the center line of coupling 1 to the coupling 2, the measured angle is called the displacement angle.eg.if the angle is 225 degree,the displacement angle is written as V225.



软管总成自然弯曲方向的规定 Bending Direction of the Hose Assembly

由于软管库存时成捆盘扎，在加工总成时难以拉直，当有一端接头为弯接头时，就存在弯曲接头与软管自然弯曲方向间的关系。把软管自然放置的平面作为水平面。

Whenever a coiled hose is unrolled,the hose tends to maintain a curvature due to memory of how that bend is called the natural bending direction.

If elbow fittings are used in the hose assembly,the bending direction of the elbow fittings and the natural bending direction of the hose may composed the following different layout.Each layout can be described by a code as shown the table.

软管总成的一端接头为弯曲接头，另一端接头为直接头时有如下四种情况：

Layout for one straight fitting and one elbow fittings:

图示Fig.	说明Description	表示代号Code
	单头平面垂直向外 One End Vertical Outward	DCW
	单头平面垂直向内 One End Vertical Inward	DCN
	单头水平向上 One End Horizontal Upward	DSS
	单头水平向下 One End Horizontal Downward	DSX

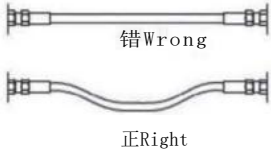
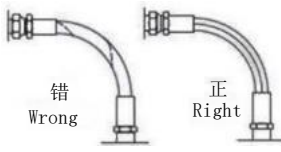
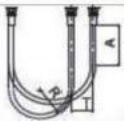
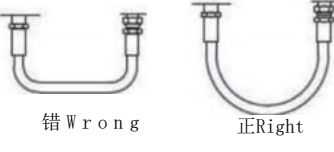
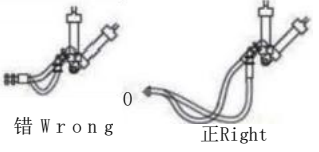
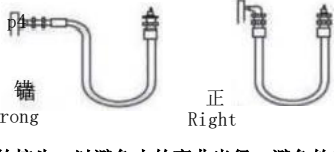
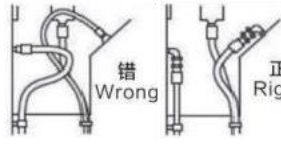
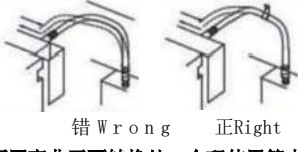
液压软管总成 HOSE ASSEMBLY

软管总成的二端接头均为弯曲接头时有如下十种情况：

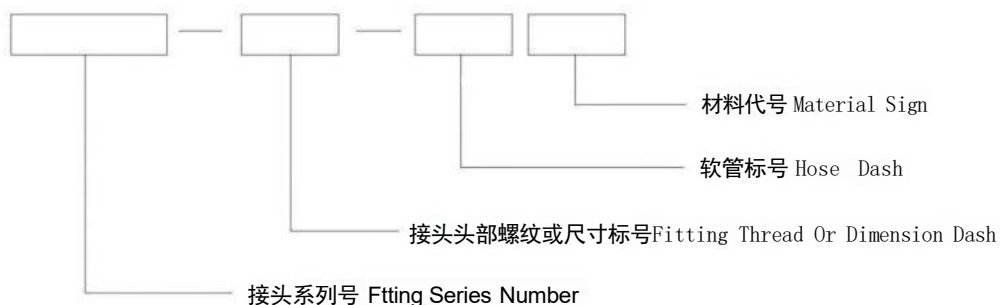
When both ends of the hose assembly are bent joints, there are ten situations:

图示Fig.	说明Description	表示代号Code
	双头水平向下 Two Ends Horizontal Downward	SSX
	双头水平向上 Two Ends Horizontal Upward	SSS
	双头水平异向 接头1向下, 接头2向上 Two Ends in the different Direction Fitting 1 Downward, Fitting 2 Upward	SSY
	双头同向平面垂直向外 Two Ends in the same Direction Two Ends Vertical Outward	STC
	双头异向平面垂直 接头1向外, 接头2向内 Two Ends in the different Direction Fitting 1 Outward, Fitting 2 Inward	SYC1
	双头异向平面垂直 接头1向内, 接头2向外 Two Ends in the different Direction Fitting 1 Inward, Fitting 2 Outward	SYC2
	接头1平面垂直向内 接头2水平向上 Fitting 1 Vertical Inward Fitting 2 Horizontal Upward	YNES
	接头1平面垂直向外 接头2水平向上 Fitting 1 Vertical Outward Fitting 2 Horizontal Upward	YWES
	接头1平面垂直向内 接头2水平向下 Fitting 1 Vertical Inward Fitting 2 Horizontal Downward	YNEX
	接头1平面垂直向外 接头2水平向下 Fitting 1 Vertical Outward Fitting 2 Horizontal Downward	YWEX

软管总成的正确安装 Correct Assembly Installation

U ↓	不恰当地使用聚四氟乙烯软管，或是软管受到了损坏，例如：折弯、扭结、扭曲、压扁、踩扁等等，即使软管可修复至初始状态，但其软管特性已被破坏，将无法正常使用，因此务必要最大限度避免软管受到这些损坏。 Improper use of PTFE hose, or damage to the hose, such as: bending, kinking, twisting, flattening, crushing, etc, even if the hose can be restored to its original condition, its hose characteristics has been corrupted and will not function properly, so it is important to minimize these occurrences.
 软管总成两端装配后不应把软管拉直，应有些松弛。因在高压作用下，软管长度会有变化，其变化幅度从 $-4\% \sim +2\%$。 Since hose may change in length from $+2\%$ to -4% under the surge of high pressure, provide sufficient slack for expansion and contraction.	 软管不应扭曲。软管在扭曲状态下安装会受到削弱，且扭曲软管中的压力也会使接头连接处受损。设计时要使机器运动产生弯曲而不是扭曲。 Hose should not be twisted. Hose is weakened when installed in twisted position, also pressure in twisted hose tends to loosen fitting connections. Design so that machine motion produces bending rather than twisting.
 软管的安装连接，无论在自然状态下，还是在运动状态中，其弯曲半径均不能小于软管制造厂规定的最小弯曲半径。且软管的弯曲半径，应远离软管接头处，其最短距离A，应大于软管外径的1.5倍。 Never use a bending radius less than the minimum shown in the hose specification tables. The bending radius of the hose should be far away from the hose fitting ($A > 1.5R$).	 软管连接时应留合适的长度，要使其弯曲部位有比较大的弯曲半径。 Leave proper length when the hose is connected.
 软管运动时应有较大的弯曲半径。 Hose bending radius is bigger when it is in motion.	 选择合适的接头，以避免小的弯曲半径，避免软管的附加应力。 Choose proper fittings, avoid too small bending radius and excess force.
 选用合适的接头，使软管的弯曲平面与运动方向在同一平面内，以避免扭曲。 Choose proper fittings, avoid twisting in hose lines bent into two planes.	 选用合适的接头，合理利用安装空间，避免使用多余的软管。 Choose proper fittings, avoid too excessive hose length.
 在软管的不同弯曲平面转换处，合理使用管夹，以避免软管扭曲。 Avoid twisting in hose by using clamp properly.	 尽可能避免软管直接接触其它物体或远离其它物体以减少摩擦。 Reduce friction, avoid hose touching the object directly or far away from the object.

软管接头代号说明 How To Order Hose Fitting



材料 MATERIAL	碳钢 CARBON STEEL	铜 COPPER	不锈钢 STAINLESS STEEL
代号 SIGN	—	EE	SS

软管公称内径 HOSE DN	3	4	5	6	8	10	12	16	20	22	25	32	40	45	50	64
软管标号 HOSE DASH	-01	-02	-03	-04	-05	-06	-08	-10	-12	-14	-16	-20	-24	-28	-32	-40

英管螺纹 BSP THREAD	G1/8" X28	G1/4" X19	—	G3/8" X19	G1/2" X14	G5/8" X14	G3/4" X14	G1" X11	G1.1/4" X11	G1.1/2" X11	G2" X11
英锥管螺纹 BSPT THREAD	R1/8" X28	R1/4" X19	---	R3/8" X19	R1/2" X14	---	R3/4" X14	R1" X11	R1.1/4" X11	R1.1/2" X11	R2" X11
布锥管螺纹 NPT THREAD	Z1/8" X27	Z1/4" X18	—	Z3/8" X18	Z1/2" X14	---	Z3/4" X14	Z1" X11.5	Z1.1/4" X11.5	Z1.1/2" X11.5	Z2" X11.5
JIC 螺纹 JIC THREAD	---	7/16" X20	1/2" X20	9/16" X18	3/4" X16	7/8" X14	1.1/16" X12	1.5/16" X12	1.5/8" X12	1.7/8" X12	2.1/2" X12
美制 ORFS 螺纹 ORFS THREAD	---	9/16" X18	—	11/16" X16	13/16" X16	1" X14	1.3/16" X12	1.7/16" X12	1.11/16" X12	2" X12	---
美制 SAE 螺纹 SAE THREAD	---	---	—	5/8" X18	---	---	1.1/16" X14	—	---	---	---
法兰规格 FLANGE SIZE	---	---	—	---	1/2"	---	3/4"	1"	1.1/4"	1.1/2"	2"
标号 DASH	-02	-04	-05	-06	-08	-10	-12	-16	-20	-24	-32

注：公制螺纹标号与螺纹外径一致。Note: The dash of metric thread accords with the O.D. Of thread

注：以上代号均为碳钢接头，若想订购不锈钢接头，请在代号后面加上“SS”，若想订购铜接头，请在代号后面加上“EE”如15611-08-08-SS 表示材质为不锈钢，15611-08-08-EE 表示材质为铜

Note: All the part No. above are in carbon steel, if ordering stainless steel adaptor, please suffix "S". And suffix "EE" for ordering brass adaptor. For example: 15611-08-08-SS means stainless steel adaptor, 15611-08-08-EE means brass adaptor.

软管接头编号规则

Hose Fitting Item Number Regulation

一、芯子编号规则Insert Item NumberRegulation

第一位芯头类型 First Number Core Head	第二位螺纹制度 Second Number ThreadType	第三位连接面 Third Number SealType	第四位弯曲度 Forth Number Body Angle	第五位芯尾类型 Fifth Number Core Tail
外螺纹1 Male 1	公制0 Metric 0	无含义0 None 0	直芯1 Straight 1	编织(1层和2层)芯尾1 Usewith1/2layer braided hoses1
扣帽2 Crimp Nut 2		球面1 Multiseal 1	45度芯片4 45° Elbow 4	缠绕(4层)芯尾2 Usewith 4 layers spiral hoses2
	英管螺纹2 BSP Thread 2	平面2 Flat Seat2	90度弯芯9 90° Elbow 9	剥内胶(6层)芯尾3 Usewith 6 layers spiral hoses3
	英锥管螺纹3 BSPT Thread 3	平面带O型圈3 O-Ring Flat Seal3		
	美制ORFS螺纹4 ORFS Thread 4	24度锥面/底座轻型4 24° ConeO-Ring L.T.4		
	美制锥管螺纹5 NPT Thread 5	24度锥面/底座. 重型5 24° ConeO-Ring H.T.5		
	美制JIC螺纹6 JIC Thread 6	60度锥面/底座6 60° Cone Seat6		
	美制SAE螺纹7 SAE Thread 7	74度锥面/底座7 74° Cone Seat7		
	日式公制螺纹8 JIS Metric Thread 8	90度锥面/底座8 90° Cone Seat8		
	日式英管螺纹9 JIS GAS Thread 9			
B型卡套式5 Bite Type5	DINO	0	同上AsAbove	同上AsAbove
B型卡套式5 Bite Type5	国标公制1 GB Metric 1	0		
B型卡套式5 Bite Type5	英制2 BSP Thread 2	0		
K型插装式6 Staplelok Type6	煤炭部0 MT0	0	同上AsAbove	同上AsAbove
K型插装式6 Staplelok Type 6	英制2 BSP Thread 2	0		
O型铰接式7 Banjo Type7	DINO	0	同上AsAbove	同上AsAbove
O型铰接式7 Banjo Type7	国标公制1 GB Metric 1	0		
O型铰接式7 Banjo Type7	英制2 BSP Thread 2			
F型法兰芯8 Flange Type8	美制SAE7 SAE Thread 7	3000PSI3	同上AsAbove	同上AsAbove
F型法兰芯8 Flange Type8	美制SAE7 SAE Thread 7	6000PSI6		
F型法兰芯8 Flange Type8	日制8 JIS Metric Thread 8	圆形1 Flat Interface 1		
F型法兰芯8 Flange Type8	日制8 JIS Metric Thread 8	方型30-Ring Groove 3		

1. 型号最后加T表示套螺母。

2. 对第一位为2、4的芯子须在整個代号后加X, 如不加X则表示芯子与螺母的组零件。如22611-08-08表示英管螺纹60° 外锥面带扣压螺母的编织直芯。

22611-08-0BX 表示配英管螺纹扣压螺母的60° 外锥面编织直芯。

3. 对标准设计为圆形的芯子. 如需改为六角芯, 则在整個代号后加D。

4. 对标准设计为24° 加O-RNG 的芯子, 如需改为与24° 密封的球形, 则在代号后加C。

5. 对英锥管外螺纹的芯子. 如需加60° 内锥, 则在整個代号后加SP。

1.Suffix“T”is to order Sleeve Nut type insert.

2.Suffix“x”is to order First Number which is 2&4 core.without“x”means combination of core and nut
Forexample,22611-08-08 means straight BSP thread 60°Cone Seat combined with Crimp Nut
22611-08-08Xmeans straight BSP thread 60°Cone Seat separated with Crimp Nut

3.Suffix“D”is to order the core with Hex Nut instead ofthe one with standard Round Nut.

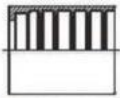
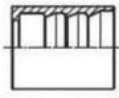
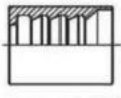
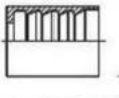
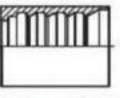
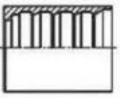
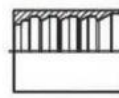
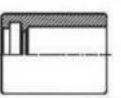
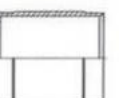
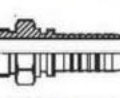
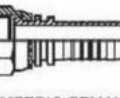
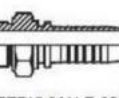
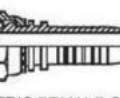
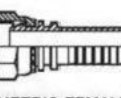
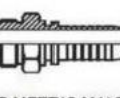
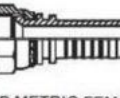
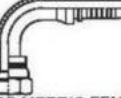
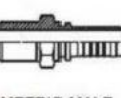
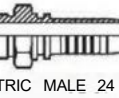
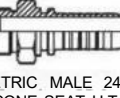
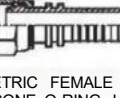
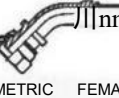
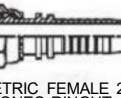
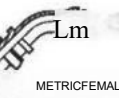
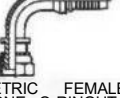
4.Suffix“C”is to order 24°Cone Multiseal core instead of 24°Cone O-Ring one.

5.Suffix“SP”is to order 60°Cone Seat for BSPT male thread core.

二、套筒编号规则Collar Item Number Regulation

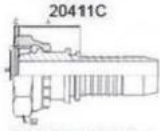
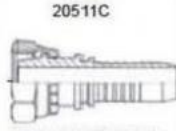
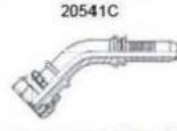
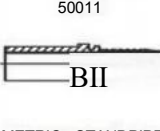
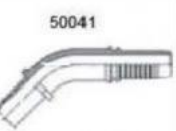
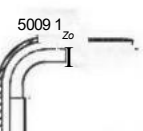
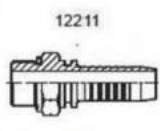
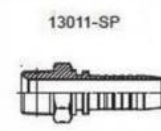
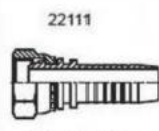
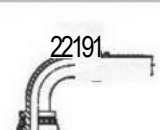
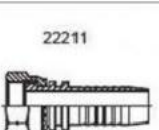
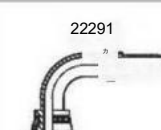
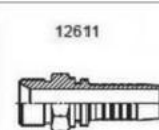
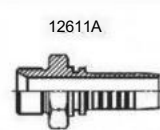
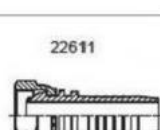
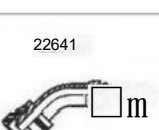
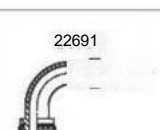
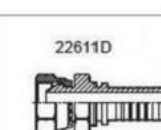
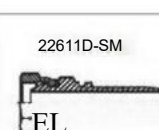
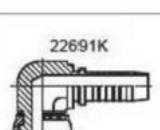
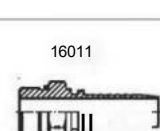
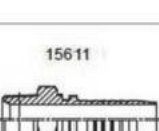
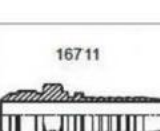
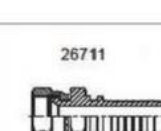
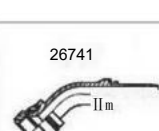
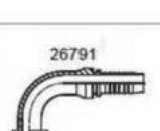
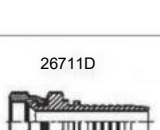
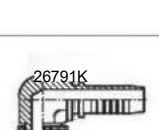
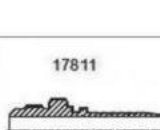
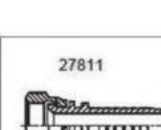
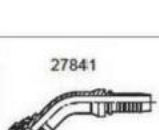
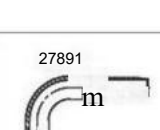
第一位套筒Frst Number Collar	第二位胶管来源Second Number Hose Source	第三位加强层Third Number Reinforcement	第四位剥胶形式Focth Number Skiving Type	第五位特殊规格Fifth Number Special Spec
所有套筒0 All Collars0	进口胶管0 Imported Hose0	纤维编织0 Textile Braided0	剥外胶0 Skiving Out. Rubber0	R7/R8树脂管R7R8 Hose 8
	国产胶管1 Domestic Hose1	一层编织1 1Layer Wire Braided 1	不剥外胶1 Not Skiving Rubber1	无含义0 None 0
		二层编织22Layers Wire Braided2	剥内外胶2 Skiving In. &Out. Rubber2	无含义0 None0
		三层编织33Layers Wire Braided 3		
		二层钢丝缠绕5 2Layers Wire Spiral 5 四层钢丝缠绕4 4 Layers Wire Spiral 4		进口4SP0 4SP Hose0 进口4SP1 4SP Hose1
		六层钢丝缠绕66Layers Wire Spiral 6		

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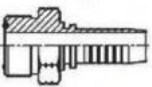
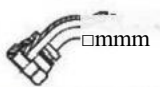
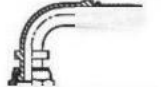
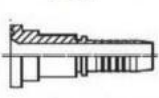
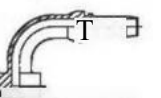
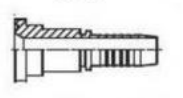
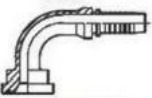
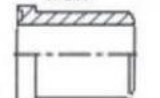
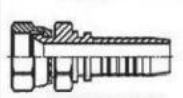
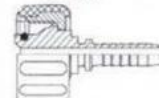
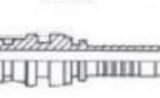
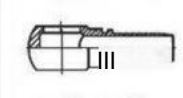
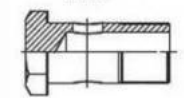
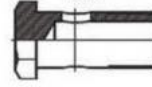
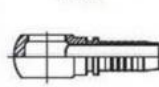
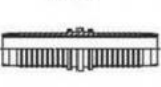
00110-A  FOR SAE 100R1AT /EN 853 1SN HOSE	00110  FOR SAE 100R1AT /EN 853 1SN HOSE	03310  FOR SAE 100R2AT /EN 853 2SN HOSE	00200  FOR SAE 100R2AT /EN 853 2SN HOSE	00210  FOR SAE 100R2AT DIN20022 2SN HOSE	00400  FOR 42P, 4SH/10-16/ R12/06-16 HOSE
01400  FOR R12/20-24 HOSE	00401  FOR 4SH, R12/32 HOSE	00018  FOR SAE 100R7 HOSE	00TF0  FOR TEFLON HOSE	00710  FOR TEFLON HOSE	10311  O-RING METRIC MALE FLAT SEAL
20211  METRIC FEMALE FLAT SEAT	20231  30°METRIC FEMALE FLAT SEAT	20241  45°METRIC FEMALE FLAT SEAT	20291  90° METRIC FEMALE FLAT SEAT	10611  METRIC MALE 60° CONE SEAT	20611  METRIC FEMALE 60° CONE
20641  45°METRIC FEMALE 60°CONE	20691  90°METRIC FEMALE 60°CONE	20111  METRIC FEMALE MULTISEAL	20141  45°METRIC FEMALE MULTISEAL	20191  90° METRICFEMALE MULTISEAL	10711  GB METRIC MALE 74° CONE
20711  GB METRIC FEMALE 74° CONE SEAT	20741  45GB METRICFEMALE 74° CONE SEAT	20791  90° GB METRIC FEMALE 74° CONE SEAT	10811L  METRIC MALE 90° CONE	104 11  METRIC MALE 24 CONE SEAT L.T. ISO 8434-1-DIN 3861	10511  METRIC MALE 24 CONE SEAT H.T. ISO 8434-1-DIN 3861
20411  METRIC FEMALE 24 CONE O-RING L.T. ISO 12151-2-DIN 3865	20 441  45°METRIC FEMALE24 CONE O-RINGLT. ISO 12151-2-DIN3865	20491  90° MEIRCFEMALE24° CONE O-RINGLT. ISO 12151-2-DIN 3865	20511  METRIC FEMALE 24 CONEO-RINGHT ISO 12151-2-DIN 3865	20541  45° METRICFEMALE24° CONE O-RINGHT ISO 12151-2-DIN 3865	20591  90°METRIC FEMALE24 CONE O-RINGHT ISO 12151-2-DIN 3865

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Crimp Hose Fitting Overview II

 20411C METRIC FEMALE 24° MULTISEAL L.T.	 20491C 90° METRIC FEMALE 24° MULTISEAL L.T.	 20511C METRIC FEMALE 24° MULTISEAL H.T.	 20541C 45° METRIC FEMALE 24° MULTISEAL H.T.	 20591C 90° METRIC FEMALE 24° MULTISEAL H.T.	 50011 METRIC STANDPIPE STRAIGHT DIN 2353
 50041 45° METRIC STANDPIPE STRAIGHT DIN 2353	 50091 90° METRIC STANDPIPE STRAIGHT DIN 2353	 12211 BSP MALE O-RING SEAL	 13011-SP BSPT MALE	 22111 BSP FEMALE MULTISEAL	 22141 45° BSP FEMALE MULTISEAL
 22191 90° BSP FEMALE MULTISEAL	 22211 BSP FEMALE FLAT SEAT	 22241 45° BSP FEMALE FLAT SEAT	 22291 90° BSP FEMALE FLAT SEAT	 12611 BSP MALE 60° CONE SEAT	 12611A BSP MALE DOUBLE USE FOR 60° CONE SEAT ORBONDED SEAL
 22611 BSP FEMALE 60° CONE	 22641 45° BSP FEMALE 60° CONE	 22691 90° BSP FEMALE 60° CONE	 22611D BSP FEMALE 60° CONE DOUBLE HEXAGON	 22611D-SM BSP FEMALE 60° CONE DOUBLE HEXAGON	 22691K 90° BSP COMPACT FEMALE 60° CONE
 16011 SAE O-RING MALE ISO 11926-SAE J1926	 15611 NPT MALE	 16711 JIC MALE 74° CONE ISO 8434-2-SAE J514	 26711 JIC FEMALE 74° CONE SEAT SAE J514	 26741 45° JIC FEMALE 74° CONE SEAT SAE J514	 26791 90° JIC FEMALE 74° CONE SEAT SAE J514
 26711D JIC FEMALE 74° CONE SEAT DOUBLE HEXAGON SAE J514	 26791K 90° JIC COMPACT FEMALE 74° CONE SEAT SAE J514	 17811 SAE MALE 90° CONE SAE J513	 27811 SAE FEMALE 90° CONE SEAT SAE J513	 27841 45° SAE FEMALE 90° CONE SEAT SAE J513	 27891 90° SAE FEMALE 90° CONE SEAT SAE J513

扣压式软管接头目录 Crimp Hose Fitting Overview III

14211  ORFS MALE O-RING SEAL ISO 8434-3-SAE J1452	24211  ORFS FEMALE FLAT SEAT ISO 12151-1-SAE J516	24241  45°ORFS FEMALE FLAT SEAT ISO 12151-1-SAE J516	24291  90°ORFS FEMALE FLAT SEAT ISO 12151-1-SAE J516	21611  NPSM FEMALE 60° CONE SAE J514	21641  45°NPSM FEMALE 60° CONE SAE J514
21691  90°NPSM FEMALE 60° CONE SAE J514	87311  SAE FLANGE 3000 PSI ISO 12151-3-SAE J1516	87341  45°SAE FLANGE 3000 PSI ISO 12151-3-SAE J516	87391  90°SAE FLANGE 3000 PSI ISO 12151-3-SAE J516	87611  SAE FLANGE 6000 PSI ISO 12151-3-SAE J516	87641  45° SAE FLANGE 6000 PSI ISO 12151-3-SAE J516
87691  90°SAE FLANGE 6000 PSI ISO 12151-3-SAE J516	FL  SAE SPLIT FLANGE CLAMP	1FSW  S-SERIES FLANGE ISO 6162-2, WELD TUBE	1FLW  L-SERIES FLANGE ISO 6162-1, WELD TUBE	29611  JIS GAS FEMALE 60° CONE SEAT JIS B8363	29641  45°JIS GAS FEMALE 60° CONE SEAT JIS B8363
29691  90°JIS GAS FEMALE 60° CONE SEAT JIS B8363	20011-T  METRIC FEMALE WATER WASH INSER	60011  MT STAPLELOK MALE	67011  SAE STAPLELOK MALE SAE J1467	70011  METRIC BANJO DIN7642	720B  BSP BOLT
700M  METRIC BOLT DIN 7643	72011  BSP BANJO	90011  DOUBLE CONNECTOR	90012  DOUBLE CONNECTOR		



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HIGHTEMPERATUREAND HIGH PRESSURE FLUID PIPELINELEADER

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