



JSLpower®

江苏金三力电力器材实业有限公司
JIANGSU JINSANLI POWER EQUIPMENT INDUSTRIAL CO.,LTD

电力产品手册

SPECIALIZED IN **ELECTRIC PRODUCTS**

JSLPOWER.COM

公司简介

江苏金三力电力器材实业有限公司创建于2001年，位于六朝古都的南京市江宁经济技术开发区谷里重点产业园内，公司专业生产特高压输电绝缘子及输电金具用橡胶元器件，是一家实力雄厚的国家级高新技术企业。公司创建至今坚持科学管理、稳步推进，视产品质量如生命，以客户需求为最终目标，不断在提高产品质量的同时着力研发新工艺、新产品，以满足国内外电力市场的需求。公司云集了大批资深电气专家并与南京大学高分子研究中心合作共同研发成功了一款新型材料制造的输变电路用绝缘子——聚合晶硅绝缘子（聚合金硅绝缘子）。该产品采用了先进的聚合物材料优选配方和先进的生产技术、工艺，使产品具有较高的绝缘性能和较长的抗老化性能，同时具有重量轻、机械强度大、防污性能好，抗风沙、抗鸟啄、可踩踏等诸多优点，产品很快被国内外用户所认可。2017年09月聚合晶硅绝缘子（聚合金硅绝缘子）系列产品顺利通过中国电力企业联合会的新技术鉴定。

公司通过ISO9001:2015质量管理体系认证，ISO14001:2015环境管理体系认证以及ISO45001:2018职业健康安全管理体系认证；2013年公司获得国家电网产品工艺认证，荣获江苏省民营科技企业称号；2016年公司正式成为国家级高新技术企业，聚合晶硅绝缘子（聚合金硅绝缘子）被认定为高新技术产品；2017年公司正式成为南京市工程技术研究中心，公司共有自主研发知识产权数量49项，其中发明专利8项。公司始终坚持科研领先、开发创新为核心理念，以【用户至上、诚信天下、物美价优、追求卓越】为企业核心价值观，【务实创新】为公司座右铭，以工匠精神不断研发新产品，为我国输电建设提供优质放心的产品而努力拼搏！

江苏金三力电力器材实业有限公司欢迎您！



Company Profile

Jiangsu Jinsanli Power Equipment Industrial Co., Ltd. was founded in 2001, Is located in the Guli street of Nanjing Jiangning Economic and Technological Development Zone. We are specializing in the production of UHV Transmission lines and MV Distribution lines Insulators, Fittings, and accessories, for Telecommunication Industries and for Transmission Rubber Components. We maintain and continue to improve our product quality at the same time focus on research and development of new technology to meet the China and Overseas electricity market demand. We work together with the best Electrical Engineers in China and the Nanjing Univeristy Polymer Research Center to develop a new type of material for Transmission Line Insulators. This is called the MODIFIED POLYETHYLENE, unlike the ordinary polyethylene that is in the market now this is made up of new material to make a Hard Composite Type, High Insulation Performance, High UV Protection for longer life, Light Weight, Stronger Mechanical Strenght and Impact Resistance, Provide more superior moisture and contamination shedding because of the High Hydrophobic Property and a longer Leakage Distance and finally the Anti-Tracking Property that makes this product more efficient and make it quickly recognised all over the world.

We passed ISO9001: 2015 quality management system certificate, ISO14001: 2015 environmental management system certificate and ISO45001: 2018 occupational health and safety management system certificate. We are certified by the National Grid Product Technology in 2013, We won the title of Best Private Technology Enterprises in Jiangsu Province. We officially become a National High-Tech Enterprises in 2016 because of our dedication and continous development on new materials for the electrical industry. And In 2017, We become the Leading Company in Nanjing for the Technology Research. Through the efforts of all staff, our company won the title of China's industry-university-research cooperation innovation demonstration enterprise in 2019.

[Pragmatic innovation] this is our company motto. We work hard to developed and produce.



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SS Stainless Steel Uncoated Bands

发明专利证书

Patent Certificate of Invention

序号 No.	专利名称 Patent Name	授权日期 Authorization Date
1	® 改性聚合物绝缘子材料的制备方法	2015.01.07
2	一种改性 POE 塑料作外层的复合绝缘子芯棒	2020.11.13
3	用于聚烯烃复合绝缘子的粘合剂组合物	2021.01.12
4	一种聚烯烃绝缘子表面憎水性迁移的测定方法	2021.06.04
5	一种具有长效憎水特性的聚烯烃绝缘子材料	2021.06.18
6	一种耐高压绝缘的不干性防水密封胶	2021.09.28
7	一种环氧改性的氯化聚丙烯粘合剂	2022.02.22
8	一种复合绝缘子用改性聚丙烯材料	2022.08.02



环境管理体系证书 ISO 14001 environmental Management System Certificate

职业健康安全管理体系证书 ISO 45001 occupational health and safety Management System Certificate

BV认证 BV Certificate



公司荣誉证书

Honorary Certificate

序号 No.	证书名称 Certificate Name	证书图片 Certificate Photos
1	国家级高新技术企业 National High-tech Enterprise	
2	江苏省民营科技企业 Science And Technology Enterprises In Jiangsu Province	
3	南京大学产学研基地 Alliance Between Nanjing University	
4	南京市工程技术研究中心 Nanjing Engineering Research Centre	

江苏省质量诚信企业

Jiangsu Province Quality Integrity
Enterprise



国家电网工艺评定证书

SGCC Technology Qualification
Certificate



中国产学研合作创新示范企业认定证书

China's Industry-University-Research
Cooperation Innovation Demonstration
Enterprise

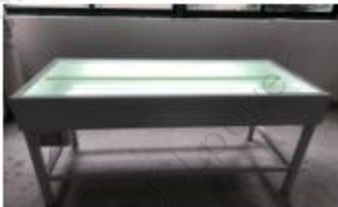




主要检测设备

Main Testing Equipment

序号 No.	设备名称 Equipment Name	设备照片 Equipment Photos
1	冲击电压发生器 Impulse voltage generator	
2	工频高电压试验控制台 Power frequency high voltage test controller	
3	冲击电压发生器 Impulse voltage generator	
4	双油缸冷热拉力试验机 High and low temperature tensile testing machine	
5	数控浸渍（水煮）装置 CNC dipping (boiling) device	
	温度指示控制仪（水煮） Temperature indicating controller (boiled)	
6	漏电起痕试验装置 Tracking and erosion test equipment	
7	涂层测厚仪 Coating thickness gauge	
8	水平垂直燃烧试验仪 Horizontal and vertical combustion testing machine	

9	卧式拉力试验机 Horizontal tensile testing machine	
10	微机屏显液压万能试验机 Universal tensile testing machine	
11	芯棒灯光透视检测设备 Insulator fiberglass rod light perspective testing equipment	
12	锁紧销推拉力计 Lock pin push-pull machine	
13	绝缘子锁紧销操作试验机 Insulator locking pin operating testing machine	
14	泄漏电流试验装置 Leakage current test device	
15	超声探伤仪 Ultrasonic flaw detection equipment	



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低温脆性试验机
Low temperature brittleness testing machine



17

电子万能试验机
Electronic universal tensile testing machine



18

热老化试验箱
Heat aging test chamber



19

邵氏硬度计 A
Shore hardness tester A



20

耐臭氧老化装置
Ozone aging resistant device



21

ZC46A 型高阻计
ZC46A Megger



22

橡胶回弹性试验机
Rubber resilience testing machine



23

厚度计
Thickness gauge



24

橡胶硬度计（手持）
Rubber hardness tester (hand-held)



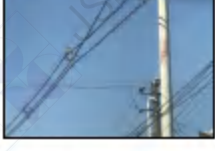
产品运行区域

Installation Pictures

序号 No.	区域 District	国家 Country	首批使用年份 Installation Date	产品名称 Product Description	安装照片 Pictures
1	东亚 East Asian	江苏省 Jiangsu province	2014	针式聚合晶硅绝缘子 Modified Polyethylene (HDPE) Pin Type Insulator	
		河南省 Henan province		聚合晶硅绝缘器 Modified Polyethylene (HDPE) Pin Post Insulator	
		福建省 Fujian Province		棒形悬式聚合晶硅绝缘子 Modified Polyethylene (HDPE) Suspension Insulator	
		黑龙江省 Heilongjiang Province		防风偏聚合晶硅绝缘子 Modified Polyethylene (HDPE) Windproof Insulator	
		新疆维吾尔自治区 Xinjiang Uygur Autonomous Region			
		日本 Japan	2019	棒形悬式聚合晶硅绝缘子 Modified Polyethylene (HDPE) Suspension Insulator	
		韩国 Korea	2020		

序号 No.	区域 District	国家 Country	首批使用年份 Installation Date	产品名称 Product Description	安装照片 Pictures
2	东南亚 Southeast Asia	泰国 Thailand	2011	针式聚合晶硅 绝缘子 Modified Polyethylene(HDPE) Pin Type Insulator 棒形悬式聚合晶硅 绝缘子 Modified Polyethylene(HDPE) Pin Insulator 高分子电缆间隔器 Modified Polyethylene(HDPE) Cable Spacer 聚合晶硅塑钢脚 Modified Polyethylene(HDPE) Spindle	
		老挝 Laos	2013		
		缅甸 Myanmar	2016		
		越南 Vietnam	2018		
		菲律宾 Philippines	2018		
		印度尼西亚 Indonesia	2020		



序号 No.	区域 District	国家 Country	首批使用年份 Installation Date	产品名称 Product Description	安装照片 Pictures
3	南北美 North and South America	美利坚 United States of America	2016	针式聚合晶硅 绝缘子 Modified Polyethylene(HDPE) Pin Type Insulator 高分子电缆间隔器 Modified Polyethylene(HDPE) Cable Spacer	
		尼加拉瓜 Nicaragua	2016		
		智利 Chile	2018		
		秘鲁 Peru	2018		
		墨西哥 Mexico	2019		
		哥伦比亚 Colombia	2022		
		厄瓜多尔 Ecuador	2022		
4	澳洲 Australia	新西兰 New Zealand	2016	针式聚合晶硅 绝缘子 Modified Polyethylene(HDPE) Pin Type Insulator 聚合晶硅塑钢脚 Modified Polyethylene(HDPE) Spindle	  

此表格仅显示产品在该区域的首次安装使用时间，如需了解更多销售业绩情况，可咨询我们索取，感谢您的支持！
This form only shows the first installation and use time of the product in this region. For more information please refer to our sales record. Thank you for your support!



聚合晶硅绝缘系列产品

Modified Polyethylene (HDPE) Insulators



材料特性简析

Modified Polyethylene (HDPE) Materials Test Table

序号 No.	检测名称 Test Items	单位 Unit	检测结果 Test results
1	体积电阻率 Volume resistance	$\Omega \cdot m$	1.9×10^{15}
	表面电阻率 Surface resistance	Ω	7.1×10^{15}
	击穿强度 Breakdown voltage	kV/mm	27.5
	拉伸强度 Tensile strength	常态 Normal	MPa 19.3
		加速天候老化 Accelerated weathering	MPa 19
		变化率 The rate of change	% -1.55
	断裂伸长率 Elongation at break	%	437
	弯曲强度 Flexural strength	常态 Normal	MPa 25.5
		加速天候老化 Accelerated weathering	MPa 24.8
		变化率 The rate of change	% -2.75
	弯曲弹性模量 Modulus of flexural	MPa	854
2	邵氏硬度(D) Shore hardness(D)	/	54.5
	加速天候老化(1000h)外观 Exterior accelerated weathering(1000h)	/	试样外观无变化, 灰卡等级 4-5 级 Sample no change in appearance, gray card grades 4-5
	耐磨试验 (质量法) Friction coefficient	/	0.138
	耐磨试验 (体积法) Volume wear	cm ³	0.0648
4	吸水率试验 Water absorption	%	0.012



5	耐液体 (80%浓硫酸, 23℃*24h) Resistance to liquid(80%H ₂ SO ₄ ,23℃/24h)	/	无变化 No appearance change
	耐液体 (80%氢氧化钠, 23℃*24h) Resistance to liquid(80%NaOH,23℃/24h)	/	无变化 No appearance change
	介电常数(1MHz) Permittivity(1MHz)	/	2.3
	介电损耗(1MHz) Dielectric loss(1MHz)	/	3.8×10^{-4}
6	耐化学 试剂 Chemical resistance	在 25℃,3%硫酸溶液中 浸泡 24h soak in 25℃,3%H ₂ SO ₄ solution for 24h	无脱落、起皱、起泡、变色等现象 No shedding,wrinkling,foaming, discoloration and other phenomena
		在 25℃,3%氯化钠溶液 中浸泡 24h Soak in 25℃,3%NaCl solution for 24h	无脱落、起皱、起泡、变色等现象 No shedding,wrinkling,foaming, discoloration and other phenomena
		在 25℃,3%氢氧化钠溶 液中浸泡 24h Soak in 25℃,3%NaOH solution for 24h	无脱落、起皱、起泡、变色等现象 No shedding,wrinkling,foaming, discoloration and other phenomena
		在 100℃的变压器油中 浸泡 24h Soak in 100℃ transformer oil for 24h	无脱落、起皱、起泡、变色等现象 No shedding,wrinkling,foaming, discoloration and other phenomena
	简支梁无缺口冲击强度 Charpy unnotched impact strength		kJ/m ² 不断 NB

7	体积电阻率 Volume resistance	$\Omega \cdot \text{cm}$	3.3×10^{15}
	介电常数 Dielectric constant	/	2.3
	介质损耗角正切 Dielectric loss angle tangent	/	1.1×10^{-3}
	简支梁无缺口冲击强度 Charpy notched impact strength	kJ/m^2	不断 NB
8	落球冲击试验 (锤重 1kg, 高度 1.5m) Ball Drop Test(weight:1kg,height:1.5m)	/	绝缘伞和护套未出现开裂现象 No break
	1kN 踩踏承载负荷试验 1kN Destruction Test	/	不破裂 No break
	踩踏破坏负荷试验 Destruction Test Pressure velocity:5mm/min	N	3360
9	憎水性试验 Hydrophobic Test	/	查看检测报告 Note Test report
10	玻璃化转变温度 (T_g) Glass-transition temperature	$^{\circ}\text{C}$	无明显可见 T_g No visible T_g
	熔点 Melting point	$^{\circ}\text{C}$	134,168
	结晶温度 Crystallizing point	$^{\circ}\text{C}$	109,121



针式聚合晶硅绝缘子

Modified Polyethylene(HDPE) Pin Type Insulator

结构与特点

新型聚合晶硅针式绝缘子适用于高压线路设施，具有良好的抗老化特性、抗弯强度、抗冲击性能、防震和防脆性能好、重量轻、安装方便，其顶部和底部与瓷针式及棒针式绝缘子安装尺寸相同，可与瓷针式及硅橡胶棒式绝缘子互换。



序号 No.	产品型号 Catalog Number	额定电压 Rated Voltage (kV)	额定抗弯负荷 Ultimate Mechanical Strength (kN)	结构高度 Unit Spacing (H mm)	最小电弧距离 Minimum Arc Distance (mm)	最小公称爬电距离 Min. Creepage Distance (mm)	工频闪络电压 Power Frequency Flashover Voltage (kV)		冲击闪络电压 Impulse Flashover Voltage (kV)		击穿电压 Puncture Voltage (kV)
							干 dry	湿 wet	正极 positive	负极 negative	
1	JHG-IP-15F	15	13	129.5	160	360	75	50	110	145	160
2	JHG-IP-25F1	25	13	150	183	390	89	60	140	170	180
3	JHG-IP-35F	35	13	181	254	508	110	75	160	200	200



针式聚合晶硅绝缘子

Modified Polyethylene(HDPE) Pin Insulator

Description

JSL Power Pin Type Insulator is made of High-Density Polyethylene based material which is the technology for insulators because they are lightweight, have greater creep distance, not prone to cracking or breaking, better Hydrophobic property, perform better in low and high temperature and perfect for coastal areas and locations with high pollutants where salt and chemicals can lead to tracking and early failure.



序号 No.	产品型号 Catalog Number	额定 电压 Rated Voltage (kV)	额定 抗弯 负荷 Rated Mechanical Tension Load (kN)	结构 高度 Unit Spacing (H mm)	最小 电弧 距离 Min, Arcing Distance (mm)	最小公称 爬电距离 Min, Creepage Distance (mm)	雷电全波 冲击耐受 电压 Dry Lighting Impulse With Voltage (kV) ≥	工频湿 耐受电压 Wet Power-Freq. 1 Min Withstand Voltage (kV) ≥
1	JPQ-K-10/5-321	10	5	273	216	460	95	40
2	JPQ-10/5-285	10	5	285	216	450	95	40

聚合晶塑钢脚

Modified Polyethylene(HDPE) Pin/Spindle

结构与特点

聚合晶塑钢脚是由聚合晶硅材料、热镀锌金属支撑以及配套金属附件组成，它与传统铁钢脚相比在起到相同支撑作用的同时增长了绝缘爬距，使整套绝缘件更加安全可靠。

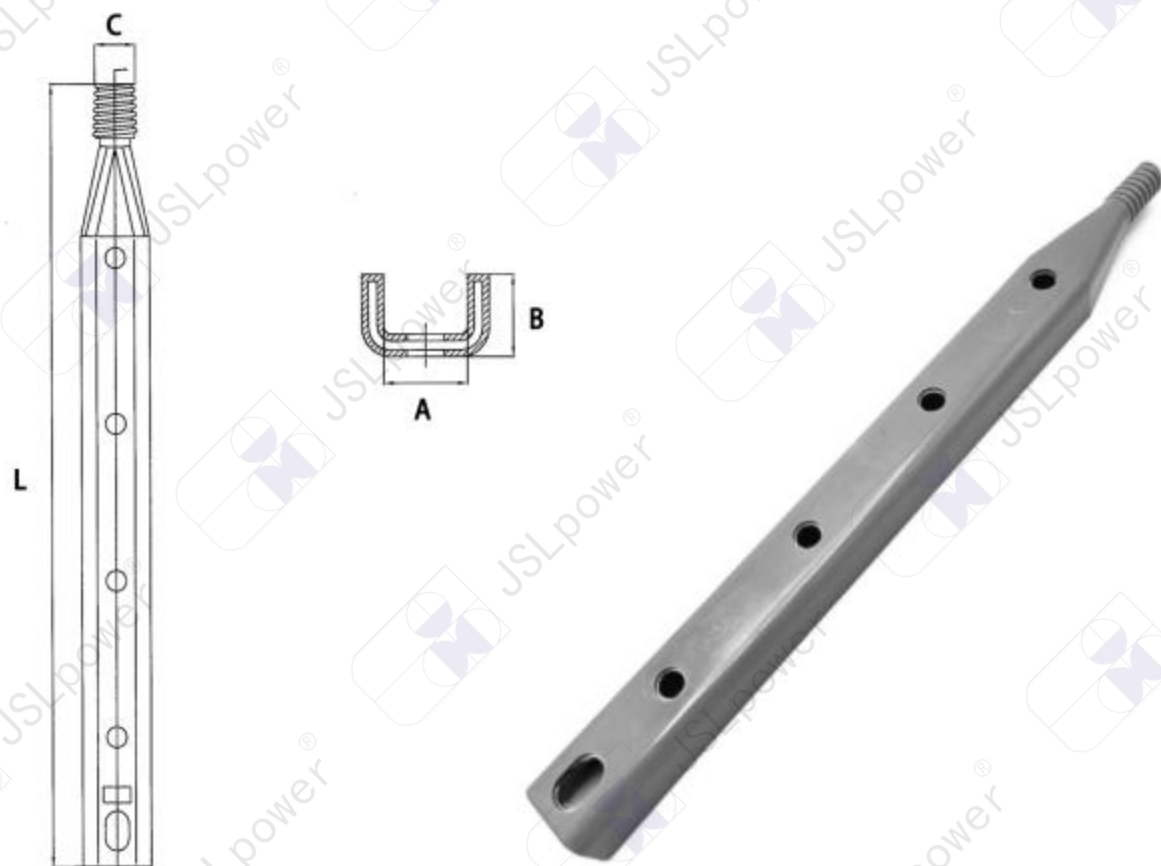
Description

Modified Polyethylene (HDPE) spindle is composed of HDPE material, hot dip galvanized metal support and supporting metal accessories. Compared with the traditional iron spindle, it plays the same supporting role while increasing the insulation creep distance, making the whole insulation more safe and reliable.



型号 Type	主要尺寸 Main Dimensions (mm)					螺栓直径 Bolt Diameter	重量 Weight (kg)
	A	B	C	D	E		
JHG-P-192/25.4	192	42	105	45	25.4	M16	0.49
JHG-P-240/25.4	240	90	105	45	25.4	M16	0.55
JHG-P-305/25.4	305	155	105	45	25.4	M16	0.59
JHG-P-336/25.4	336	100	184	52	25.4	M16	0.75
JHG-P-336/34.9	336	100	184	52	34.9	M16	0.85
JHG-P-347/25.4	347	165	122	60	25.4	M20	0.95
JHG-P-389/25.4	389	153	184	52	25.4	M16	0.95
JHG-P-389/34.9	389	153	184	52	34.9	M16	1

Modified Polyethylene(HDPE) Pole Top Pin



型号 Type	主要尺寸 Main Dimensions (mm)			
	L	A	B	C
JHG-PT-638/25.4	638	38	36	25.4
JHG-PT-638/34.9	638	38	36	34.9

Plastic Top Tie

Description

Plastic Top Tie for Line Post or Pin Insulators.
Made of grey rigid PVC with good characteristics
in anti-UV, high tensile strength and high impact
strength. Semi-conductive layer in black color is
available. Left-hand lay direction.



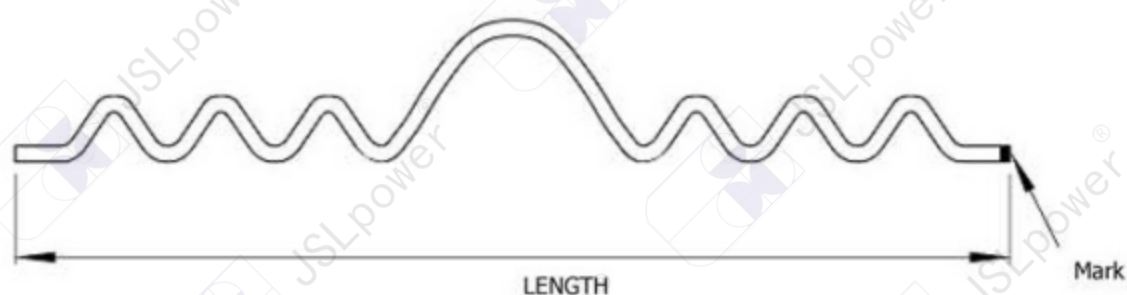
型号 Type	导线直径 Conductor Diameter(mm)	长度 Length(mm)	重量 Weight(kg)	适用 Applicable
JPTTC-0752/57	Ø 7.52-10.18	660	0.17	2-1/4" Neck "C"
JPTTC-1019/57	Ø 10.19-13.73	660	0.16	
JPTTC-1374/57	Ø 13.74-18.56	711	0.17	
JPTTC-1857/57	Ø 18.57-23.38	787	0.18	
JPTTC-2339/57	Ø 23.39-27.96	863	0.19	
JPTTC-2797/57	Ø 27.97-33.02	965	0.21	
JPTTF-0752/73	Ø 7.52-10.18	585	0.15	2-7/8" Neck "F"
JPTTF-1019/73	Ø 10.19-13.73	710	0.20	
JPTTF-1374/73	Ø 13.74-18.56	760	0.25	
JPTTF-1857/73	Ø 18.57-23.38	810	0.25	
JPTTF-2339/73	Ø 23.39-27.96	890	0.25	
JPTTF-2797/73	Ø 27.97-33.02	965	0.30	



Plastic Tangent Side Tie

Description

Plastic Tangent Side Tie for Line Post or Pin Insulators. Made of grey rigid PVC with good characteristics in anti-UV, high tensile strength and high impact strength. Semi-conductive layer in black color is available.



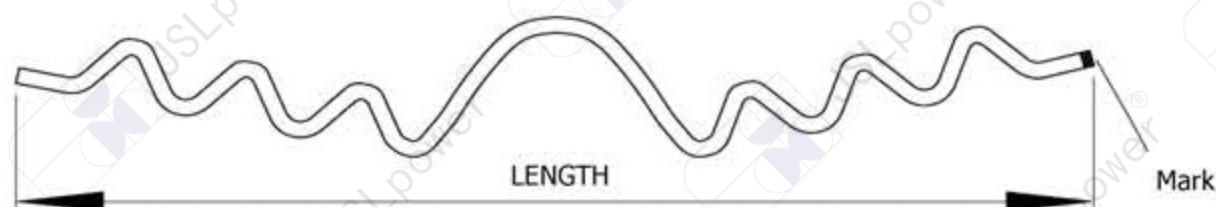
型号 Type	导线直径 Conductor Diameter(mm)	长度 Length(mm)	重量 Weight(kg)	适用 Applicable
JPTSTC-0752/57	Ø 7.52-10.18	559	0.17	2-1/4" Neck "C"
JPTSTC-1019/57	Ø 10.19-13.73	533	0.16	
JPTSTC-1374/57	Ø 13.74-18.56	584	0.17	
JPTSTC-1857/57	Ø 18.57-23.38	610	0.18	
JPTSTC-2339/57	Ø 23.39-27.96	686	0.19	
JPTSTC-2797/57	Ø 27.97-33.02	965	0.21	
JPTSTF-1019/73	Ø 10.19-13.73	610	0.15	2-7/8" Neck "F"
JPTSTF-1374/73	Ø 13.74-18.56	610	0.15	
JPTSTF-1857/73	Ø 18.57-23.38	635	0.17	
JPTSTF-2339/73	Ø 23.39-27.96	737	0.18	
JPTSTF-2797/73	Ø 27.97-33.02	762	0.2	



Plastic Angle Side Tie

Description

Plastic Angle Side Tie for Line Post or Pin Insulators. Made of grey rigid PVC with good characteristics in anti-UV, high tensile strength and high impact strength. Semi-conductive layer in black color is available. Left-hand lay direction in normal.



型号 Type	导线直径 Conductor Diameter(mm)	长度 Length(mm)	重量 Weight(kg)	适用 Applicable
JPASTC-0752/57	Ø 7.52-10.18	559	0.16	2-1/4" Neck "C"
JPASTC-1019/57	Ø 10.19-13.73	533	0.15	
JPASTC-1374/57	Ø 13.74-18.56	559	0.15	
JPASTC-1857/57	Ø 18.57-23.38	610	0.17	
JPASTC-2339/57	Ø 23.39-27.96	686	0.18	
JPASTC-2797/57	Ø 27.97-33.02	965	0.20	2-7/8" Neck "F"
JPASTF-0752/73	Ø 7.52-10.18	559	0.16	
JPASTF-1019/73	Ø 10.19-13.73	559	0.15	
JPASTF-1374/73	Ø 13.74-18.56	584	0.15	
JPASTF-1857/73	Ø 18.57-23.38	635	0.17	
JPASTF-2339/73	Ø 23.39-27.96	686	0.18	
JPASTF-2797/73	Ø 27.97-33.02	762	0.2	



Plastic Double Side Tie

Description

Plastic Double Side Tie for Line Post or Pin Insulators.
Made of grey rigid PVC with good characteristics in
anti-UV, high tensile strength and high impact strength.
Semi-conductive layer in black color is available.
Two pieces a set, one piece is right-hand lay, another
piece is left-hand lay.



型号 Type			导线直径 Conductor Diameter (mm)
2-1/4" Neck "C"	2-7/8" Neck "F"	4" Neck "K"	
JPDSTC-0752/57	JPDSTF-0752/73	JPDSTK-0752/101	Ø 7.52-10.18
JPDSTC-1019/57	JPDSTF-1019/73	JPDSTK-1019/101	Ø 10.19-13.73
JPDSTC-1374/57	JPDSTF-1374/73	JPDSTK-1374/101	Ø 13.74-18.56
JPDSTC-1857/57	JPDSTF-1857/73	JPDSTK-1857/101	Ø 18.57-23.38
JPDSTC-2339/57	JPDSTF-2339/73	JPDSTK-2339/101	Ø 23.39-27.96
JPDSTC-2797/57	JPDSTF-2797/73	JPDSTK-2797/101	Ø 27.97-33.02

棒形悬式聚合晶硅绝缘子 (交流 10kV~66kV)

Modified Polyethylene(HDPE) Suspension Insulator (10kV~66kV)

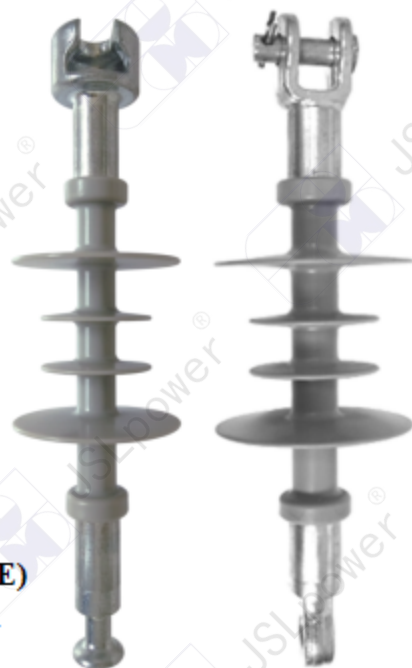
结构与特点

新型棒形悬式聚合晶硅绝缘子由聚合晶硅伞套、环氧树脂玻璃纤维棒、金属三部分组成，本公司采用国际先进的自动化一次成型生产工艺，提高了聚合晶硅绝缘子的可靠性和生产效率，产品强度高、重量轻、外形美观。

Description

JSL Power Suspension Type Insulator is made of Modified Polyethylene(HDPE) based material. This is designed for tension or suspension type of termination and suitable for bare and covered type of conductor.

We are the pioneer to develop HDPE for suspension insulator. Compare to other product that are using silicon rubber, our material is already proven to be better in terms of quality and efficiency and that's why many utilities are already changing and using our HDPE suspension insulators.



序号 No.	产品型号 Catalog Number	额定电压 Rated Voltage (kV)	额定机械 拉伸负荷 Rated Mechanical Tension Load (kN)	连接 标记 Connection Mark (mm)	结构 高度 Unit Spacing (H mm)	最小公称 爬电距离 Min, Creepage Distance (mm)	雷电全波冲 击耐受电压 Dry Lightning Impulse With Voltage (kV) ≥	工频湿 耐受电压 Wet Power-Freq. 1 Min Withstand Voltage (kV) ≥
1	JXBW-10/(70)100-310	10	100 (70)	16	365	430	95	42
2	JXBW-35/(70)100-670	35	100 (70)	16	670	1100	230	95
3	JXBW-66/(70)100-940	66	100 (70)	16	940	2020	410	185

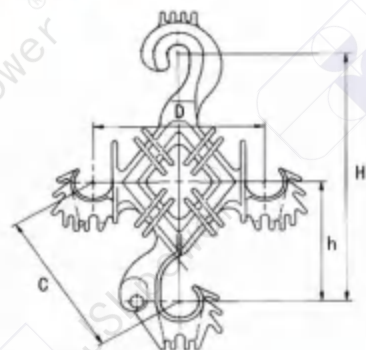
高分子聚合物电缆间隔器

Modified Polyethylene(HDPE) Cable Spacer

结构与特点

高分子聚合物电缆间隔器是配电线路中用于支撑电缆的一种新型材料制元器件。

在一些绿色植被茂密的地区，由于树干或树枝的掉落接触到电缆导致运行中断，从而发生火灾；还有一些跨河流的线路也可以预防线缆交缠，减小风摆阻力，它的运用普及将降低这些事故的发生，提升配电网线路的安全性能。它独特的设计，使其导线之间有一定的安全距离且不会相互影响。

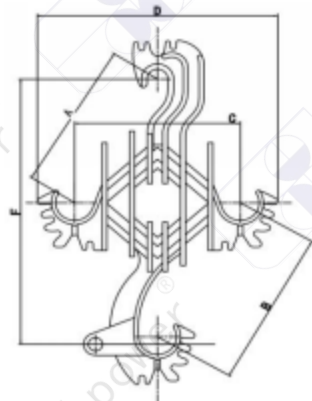


额定电压适用范围 Rated Voltage			15kV
产品型号 Type			JHW-15CS-01
电性能 Electrical Characteristics	低频闪络电压 Low Frequency Flashover Voltage	干闪络 Dry (kV)	58
		湿闪络 Wet (kV)	50
	低频耐受电压 Low Frequency Withstand Voltage	干耐受 Dry (kV/min)	45
		湿耐受 Wet(kV/min)	35
	临界冲击电压 Critical Impulse Flashover Voltage	正极性 Pos (kV)	80
		负极性 Neg (kV)	95
机械性能 Mechanical Characteristics	极限机械强度 Ultimate Mechanical Strength (N)		4500
主要尺寸 Main Dimensions(mm)	D		180
	H		300
	h		145
	C		170.7
重量 Weight (kg)			0.5

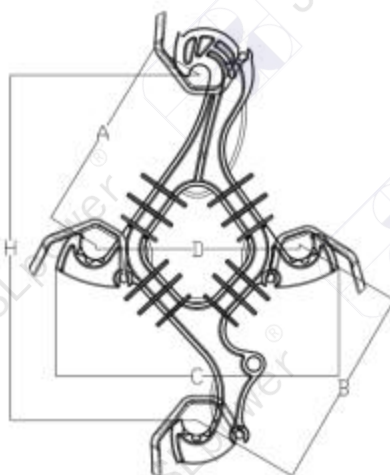
Description

Modified polyethylene (HDPE) cable spacer is a new material for Distribution Line Cable.

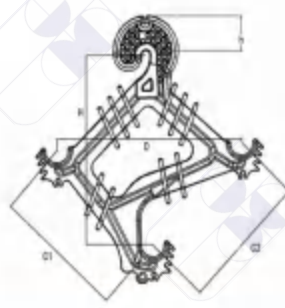
This will improve the system in terms of safety and reliability of the HV overhead distribution network in areas where power outages are common due to falling tree or branch contact, as well as in high fire risk areas and at river crossings. Its unique design allows its conductors to have a safe distance from each other without interacting with each other.



额定电压适用范围 Rated Voltage			15kV
产品型号 Type			JHW-15CS-02
电性能 Electrical Characteristics	低频闪络电压 Low Frequency Flashover Voltage	干闪络 Dry (kV)	58
		湿闪络 Wet (kV)	48
	低频耐受电压 Low Frequency Withstand Voltage	干耐受 Dry (kV/min)	45
		湿耐受 Wet (kV/min)	35
	临界冲击电压 Critical Impulse Flashover Voltage	正极性 Pos (kV)	80
		负极性 Neg (kV)	95
机械性能 Mechanical Characteristics	极限机械强度 Ultimate mechanical strength (N)		4500
主要尺寸 Main Dimensions(mm)	D		254
	A		165
	F		300
	C		175
	B		175
重量 Weight (kg)			0.55

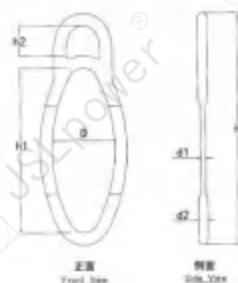


额定电压适用范围 Rated Voltage			15kV
产品型号 Type			JHW-15CS-03
电气性能 Electrical performance	低频闪络电压 Low Frequency Flashover Voltage	干闪络 Dry (kV)	60
		湿闪络 Wet (kV)	48
	低频耐受电压 Low Frequency Withstand Voltage	干耐受 Dry (kV/min)	48
		湿耐受 Wet (kV/min)	38
	临界冲击电压 Critical Impulse Flashover Voltage	正极性 Pos (kV)	85
		负极性 Neg (kV)	100
	爬电距离 Creepage Distance (mm)		295
机械性能 Mechanical Characteristics	极限机械强度 Ultimate Mechanical Strength (N)		4500
主要尺寸 Main Dimensions(mm)	D		210
	A		205
	B		208
	C		290
	H		350
重量 Weight (kg)			0.65

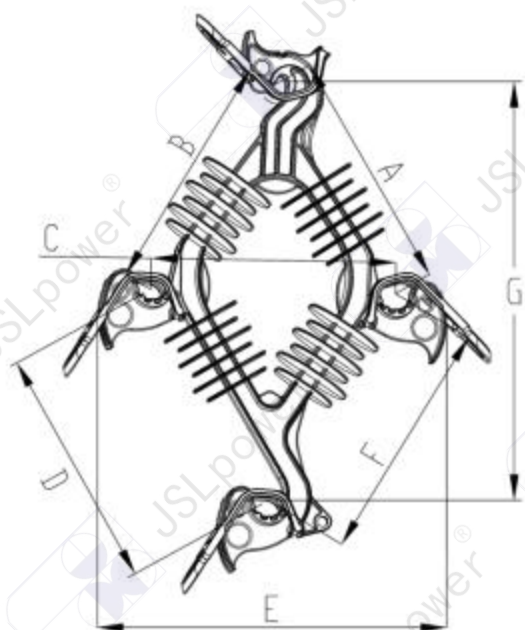


额定电压适用范围 Rated Voltage			22~33kV
产品型号 Type			JHW-22/33CS-01
电性能 Electrical Characteristics	低频闪络电压 Low Frequency Flashover Voltage	干闪络 Dry (kV)	85
		湿闪络 Wet (kV)	70
	低频耐受电压 Low Frequency Withstand Voltage	干耐受 Dry (kV/min)	70
		湿耐受 Wet (kV/min)	50
	临界冲击电压 Critical Impulse Flashover Voltage	正极性 Pos (kV)	125
		负极性 Neg (kV)	145
机械性能 Mechanical Characteristics	极限机械强度 Ultimate Mechanical Strength (N)		8000
主要尺寸 Main Dimensions(mm)	D		357
	H		340
	h		55
	C1		250
	C2		250
重量 Weight(kg)			1.2

PU扣带
PU Snap Tie



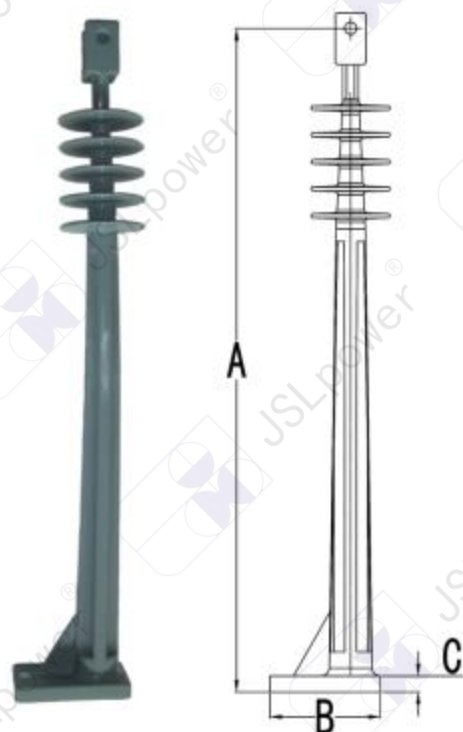
硬度 Durometer Hardness			85±5
拉伸强度 Tensile Strength (kgf/cm ²)			257
断裂拉伸率 Elongation at Break (%)			607
压缩永久变形 Compression set(Method B)at 70℃ for 22hrs (%)			70
撕裂强度 Tear Strength (lbf/inch thickness)			134
密度 Density (g/cm ³)			1.23
主要尺寸 Main Dimensions(mm)	D		41.0
	d1		3.0
	d2		6.0
	H		147
	h1		104
	h2		19.0



额定电压适用范围 Rated Voltage			35kV
产品型号 Type			JHW-35CS-02
电性能 Electrical Characteristics	低频闪络电压 Low Frequency Flashover Voltage	干闪络 Dry (kV)	100
		湿闪络 Wet (kV)	80
	低频耐受电压 Low Frequency Withstand Voltage	干耐受 Dry (kV/min)	85
		湿耐受 Wet (kV/min)	70
	临界冲击电压 Critical Impulse Flashover Voltage	正极性 Pos (kV)	135
		负极性 Neg (kV)	155
	爬电距离 Creepage Distance (mm)		715
机械性能 Mechanical Characteristics	极限机械强度 Ultimate Mechanical Strength (N)		8000
主要尺寸 Main Dimensions(mm)	A		331.5
	C		342
	D		340
	E		480
	G		600
重量 Weight (kg)			2.2

聚合晶硅防舞动支架

Modified Polyethylene(HDPE) Anti Sway Arm

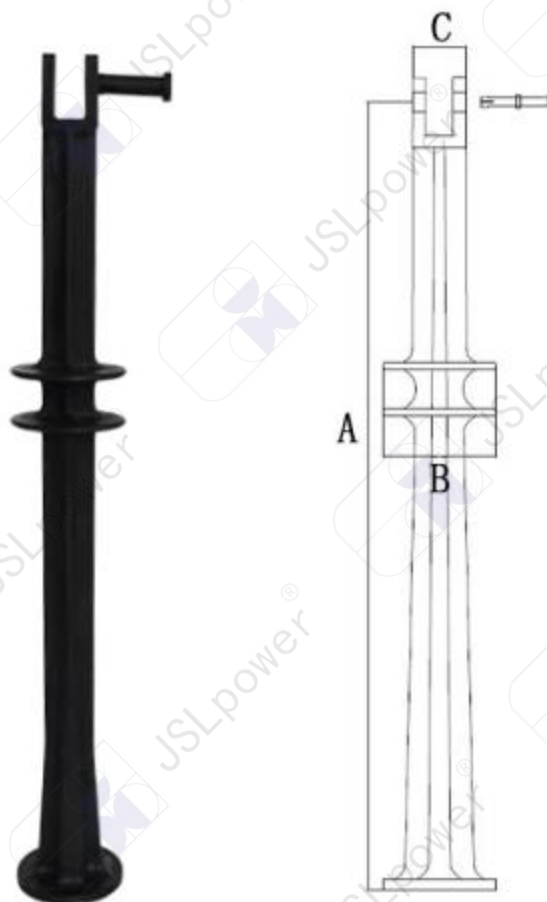


JHW-ZJ01



JHW-ZJ03

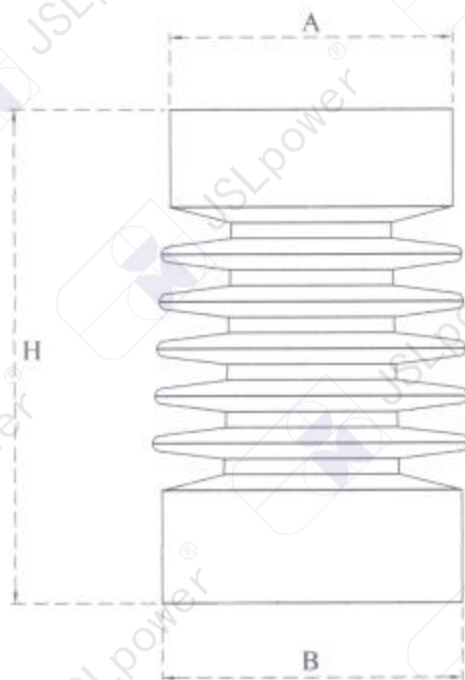
产品型号 Type		JHW-ZJ01	JHW-ZJ03
额定机械破坏负荷 Rated Mechanical Failing Load (kN)		7	1
额定弯曲负荷 Rated Bending Load (kN)		1	0.05
主要尺寸 Main Dimensions(mm)	A	825	527
	B	140	90
	C	20	13
重量 Weight (kg)		1.25	0.55



产品型号 Type		JHW-ZJ02
额定机械破坏负荷 Rated Mechanical Failing Load (kN)		8
额定弯曲负荷 Rated Bending Load (kN)		≥0.9
主要尺寸 Main Dimensions(mm)	A	578
	B	81
	C	38
重量 Weight (kg)		0.6

聚合晶硅开关柜支柱绝缘子

Modified Polyethylene(HDPE) Switchgear Cabinet Post Insulator



产品型号 Type	主要尺寸 Main Dimensions (mm)		
	A	B	H
JSL134	80	85	133



输电和配电线路产品用聚合物橡胶制品

Polymer Rubber Guards For Transmission And Distribution Line Products

技术参数

Technical Parameters

物理性能 Physical Properties	指标 Result
300%定伸强度 Stretching Strength (MPa)	≥9.8
拉伸强度 Tensile Strength (MPa)	≥16.1
扯断伸长率 Elongation at break	≥350%
硬度 Shore A (HA)	67-73
压缩永久变形 Compression Set (短时间 Short time)	≤3.5%
压缩永久变形 Compression Set [(23±2) °C, 24h]	≤10%
压缩耐寒系数 Compression cold resistance coefficient [(-40±1) °C]	≥0.4
回弹性 Rebound Resilience	58%-82%
体积电阻率 Volume Resistivity (Ω·cm)	(1.1-9.5) ×10 ⁵⁻⁸
耐臭氧老化性能 Ozone Aging Resistance (25°C, 72h)	不龟裂 Not cracking
阻尼系数 Damping Coefficient (-40°C~+40°C, 25Hz)	0.4-0.1



电缆保护橡胶套

Cable & Wire Protector Rubber Insert



图 Pic1



图 Pic2



图 Pic3



图 Pic4



图 Pic5



图 Pic6

图号 Picture No.	型号 Type	主要尺寸 (毫米) Main Dimensions (mm)			适用导线尺寸 (毫米) Applicable to cable size(mm)
		长 Length	外直径 Outside Diameter	内直径 Internal Diameter	
图 Pic 1-3	FXJ-900	300	53	41	185-900
	FXJ-800	300	77	66	
	FXJ-630	300	45	34	
	FXJ-500	150	60	50	
	FXJ-400	250	40	27.6	
	FXJ-300	300	34	23	
图 Pic 4-6	ZL-300/70B	110	36	20	
	ZL-300/70A	110	35	25	
	ZL-300/70B	110	36	20	

切线线夹,并沟线夹悬垂线夹

ADSS/OPGW Suspension Clamp Rubber Insert/AQX Rubber



图 Pic7



图 Pic8



图 Pic9



图 Pic10



图 Pic11



图 Pic12

图号 Picture No.	型号 Type	主要尺寸 (毫米) Main Dimensions (mm)		适用导线尺寸 (毫米) Applicable to cable size(mm)
		长 Length	内直径 Internal Diameter	
图 Pic 7 图 Pic 8-10	NHJ-400-35	170	-	185-900
	XJ0869	110	8.69	
	XJ-1160	150	11.6	
	XJ-2100	170	21	
	CL-150/25	183	17.4	
	XJ2350	204	23.5	
	CL-300/40	223	24	
	XJ2554	224	25.54	
	CL-400/50	228	30	
	AGS-5508	228	30	
	XJ2840	255	28.4	
	XJ34.44	240	34.4	
	CL-300/400NZ-120	255	23	
图 Pic 11	XJ4290	306	42.9	
	XJ1110	150	11.1	
图 Pic 12	XJ1330	150	13.3	
	XBG-1330	70	13.4	
	XBG-1110	70	11.2	



间隔棒阻尼橡胶保护垫

Transmission Line Spacer Rubber Insert



图 Pic13



图 Pic14



图 Pic15



图 Pic16

图号 Picture No.	型号 Type	主要尺寸 (毫米) Main Dimensions (mm)				适用导线尺寸 (毫米) Applicable to cable size(mm)
		长 Length	宽 Width	外半径 Outside Radius	内半径 Internal Radius	
图 Pic 13-24	FJZ-855/48D	104	58	37	23	120-900
	FJZ-855/48D	104	58	37	23.5	
	630/45	102.1	43.6	30	16.5	
	FJZ-840/35D	95	42	32.5	15	
	FJZ-840/31D	95	42	32.5	14.5	
	FJZ-450F/400	95	43	30	13.3	
	FJZ-450/36B	90	42	32.5	17.8	
	FJZH4-600/900D	90	58	37	21	
	FJZ-720/50	90	48	33	18	
	FJZ-840/34D	90	42	30	14.7	
	FJZF-500	90	42	30	12.3	
	FJZ6-450/720	88	43	30	17.8	
	FJZ-840/34D	88	43	30	16.5	
	FJZK6-450/900	88	48	31	19	
	XTJ4-500-630	88	43	30	16.5	



间隔棒阻尼橡胶保护垫

Transmission Line Spacer Rubber Insert



图 Pic17



图 Pic18



图 Pic19



图 Pic20

图号 Picture No.	型号 Type	主要尺寸 (毫米) Main Dimensions (mm)				适用导线尺寸 (毫米) Applicable to cable size(mm)
		长 Length	宽 Width	外半径 Outside Radius	内半径 Internal Radius	
图 Pic 13-24	FJZ-800A	78	40	28	18	120-900
	FJZ-800A	78	40	28	13.8	
	JZF3-400/660	78	42	30	16	
	FJZ6-375/300	78	32	19	12	
	FXJZ-185V	76	34	25	7.7	
	FJZ4-45240	76	34	25	8.5	
	JZF4-45300	76	34	25	9.7	
	FJZ4-45400	76	34	25	12.1	
	45500	76	34	25	13.3	
	JZF4-45400	76	34	25	11.5	
	JZF4-45500	76	34	24.5	13	



间隔棒阻尼橡胶保护垫

Transmission Line Spacer Rubber Insert



图 Pic21

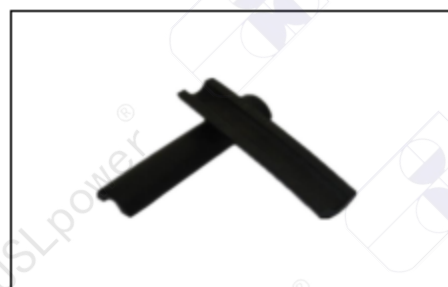


图 Pic22



图 Pic23



图 Pic24

图号 Picture No.	型号 Type	主要尺寸 (毫米) Main Dimensions (mm)				适用导线尺寸 (毫米) Applicable to cable size(mm)
		长 Length	宽 Width	外半径 Outside Radius	内半径 Internal Radius	
图 Pic 13-24	240-R9.0	75	30	23	9	120-900
	300-R10.3	75	30	23	10.3	
	FJZ6-375/240	74	32	19	11	
	JZF4-45400	74	33.7	20.5	11.8	
	25.2	73	34	25	10.5	
	FJZ6-375/240	72	30	25	8.5	
	LGJ-400	58	/	18	12	
	FJQ4-50/630	56	40	20.5	16.8	
	FFJQ-405	55	/	16	12	
	FJZZ-445/24B	37.5	19.8	29.5	9.6	
	400-R11.6	78	/	24	11.6	
	400-R11.4	78	/	26	11.4	
	FJZH-840/34D	77	/	24	15.2	

间隔棒阻尼橡胶保护垫 Transmission Line Spacer Rubber Insert



图 Pic25



图 Pic26



图 Pic27



图 Pic28



图 Pic29



图 Pic30

图号 Picture No.	型号 Type	主要尺寸 (毫米) Main Dimensions (mm)		
		外直径 Outside Diameter	内直径 Internal Diameter	高 Height
图 Pic 25	FJZT-445/400	54	26	26
	FJZ-450/720	55	26	23
图 Pic 26	FJZ-405	44	22.5	-
	FJZ2-50630	45	13	17.5
	FJZ-250/630	44.2	12.2	20
图 Pic 27	FJZ-41100/33D	62	13	22
图 Pic 28	FJZ-450F/720	60	22	20
	FJZL-300	52	14	20
	JZF6-375/300	55	18.5	22
图 Pic 29	FJZR-340/32	83	26	29
图 Pic 30	-	70	50	19



间隔棒阻尼橡胶保护垫

Transmission Line Spacer Rubber Insert



图 Pic31



图 Pic32



图 Pic33



图 Pic34



图 Pic35

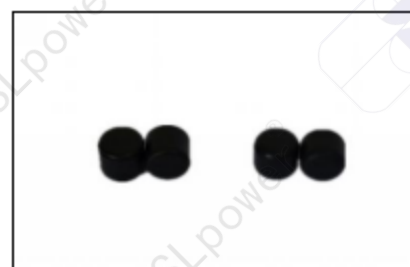


图 Pic36

图号 Picture No.	型号 Type	主要尺寸 (毫米) Main Dimensions (mm)		
		宽 Width	外半径 Outside Radius	内半径 Internal Radius
图 Pic 31	DLBG-160	70	86	78
	MGG-15011	110	88	75
	R77.5	90	87.5	77.5
图 Pic 32	TJGH-1	88	56	50
	HXP-05	50	50	45
	FJZ-640/400DY	长 Length 78	宽 Width 68	高 Height 3
图 Pic 33	TXJ-48	70	50	2
	FJGY-850/48DZ	50	20	13
	FJZQ-240/400	40	18	13
图 Pic 34	FJT8-400/900	50	12	11
	FXJZ-24/185H	54	30	/
	-	49.5	29.5	/
图 Pic 35	181952-006	58	/	/
图 Pic 36	FJZ4-45400	高 Height 21.5	直径 Diameter 22.85	R角 3
	FJZ-650/43D	高 Height 21.5	直径 Diameter 22.85	R角 5



其他橡胶保护垫

Other Spacer Rubber



图 Pic37



图 Pic38



图 Pic39



图 Pic40



图 Pic41



图 Pic42

图号 Picture No.	型号 Type	主要尺寸 (毫米) Main Dimensions (mm)		
		长 Length	宽 Width	高 Height
图 Pic 37	DOB810138	230	110	40
图 Pic 38	FJN4-500F/500/230	86	70	/
图 Pic 39	-	102	117.5	/
图号 Picture No.	型号 Type	外直径 Outside Diameter	内直径 Internal Diameter	高 Height
图 Pic 40	-	/	27	47
图 Pic 41	JTZ4-45400	17	13	/
	FFJQ-405	26	20	/
	FFJQ-450	32	25	16
图 Pic 42	-	180	/	/

Conductor Cover Insulation/CCI

Description

This is made of silicone elastomer tubes which is use to cover bare conductor like ACSR/ AAC. These serves as a cover to protect the conductor from tree's, animals or any form of debris that may cause shortage or interruption. Also, you can install this cover tube using the hot stick because of its slip-on method of installation. The insulation cover is rated 15kv to 25 kv and sizes ranges from 15 mm to 20 mm.



Main Dimensions (mm)

Type				
	Thickness	Internal Diameter	Outside Diameter	Length
JSLET-01	3	15 ± 1	21 ± 1	200 ± 3
JSLET-02	3	17-17.5	23-23.5	200 ± 3
JSLET-03	3	18-18.5	24-24.5	200 ± 3
JSLET-04	5	16-16.5	26-26.5	200 ± 3



Pole Cap

Description

Pole cap is made of EPDM, or Ethylene Propylene Diene Monomer material, that is widely used in the construction industry and electrical industry. It is a durable and flexible material that can withstand extreme temperatures, UV radiation, and weathering, making it ideal for waterproofing, and sealing application. This serves as a cover for pole to prevent water, animals or any kind of materials going inside the pole.



Type	Main Dimensions (mm)				
	Outside Diameter	Internal Diameter	Outside Height	Internal Height	Thickness
JSLPC-01	130	110	90	80	10
JSLPC-02	160	140	90	80	10

Isnap-In Type Protector Tubing

Description

Product color: Red / Yellow / Green

Product material: Silicone rubber

Withstand voltage value: 220 (kV)

Using temperature range: -50℃~+150℃



Product technical index

No.	Test item		Unit	Requirement	Test result
1	Electrical strength test		kV/mm	≥ 20	22
2	Volume resistivity		$\Omega \cdot \text{cm}$	$\geq 1 \times 10^{14}$	2×10^{14}
3	Dielectric constant		-	2 - 3	2.3
4	Shore hardness (A)		-	70 ± 5	71
5	Before aging	Tensile strength	MPa	≥ 4.0	5.5
		Elongation at break	%	≥ 200	243
	After aging (180℃ × 7d)	Rate of change in tensile strength	%	± 30	13
		Change rate of elongation at break	%	± 30	-22
6	Elongation at low temperature (-15℃ × 2h)		%	≥ 20	190
7	Low temperature flexibility (-50℃ × 4h)		-	No cracking	No cracking
8	High temperature cracking resistance (155℃ × 2h)		-	No cracking	No cracking

LG type aluminum stranded wire suitable product

Cross-sectional area (mm ²)	Outside diameter (mm)	Corresponding insulation bushing specifications (mm)
50	9.00	Ø12
70	10.80	Ø12
95	12.48	Ø17
120	14.25	Ø17
150	15.75	Ø20
185	17.50	Ø20
210	18.75	Ø24.2
240	20.00	Ø24.2
300	22.40	Ø24.2
400	25.90	Ø30
500	29.12	Ø32
630	32.67	Ø35
800	36.90	Ø39.8

LGJ type steel core aluminum stranded wire
LGJF type anticorrosive steel core aluminum stranded wire applicable product

Cross-sectional area (mm ²)	Outside diameter (mm)	Corresponding insulation bushing specifications (mm)
35	-	Ø12
50	-	Ø15.6
70/10	11.40	Ø17
70/40	13.60	Ø17
95/15	13.61	Ø17
95/20	13.87	Ø17
95/55	16.00	Ø17
120/7	14.50	Ø20
120/20	15.07	Ø20
120/25	15.74	Ø20
120/70	18.00	Ø20
150/8	16.00	Ø20
150/20	16.67	Ø20
150/25	17.10	Ø20
150/35	17.50	Ø20
LGJJ-120	15.50	Ø20
LGJJ-150	17.50	Ø20
LGJQ-150	16.00	Ø20
185/10	18.00	Ø24.2
185/25	18.90	Ø24.2
185/30	18.88	Ø24.2
185/45	19.60	Ø24.2

Tree Guard (Silicone Line Cover)

Description

Soft and resistant to bending

Long service life, aging resistance, corrosion resistance

Color: Red, Gray (customizable)

Easy installation, no flame required, short power-off construction time



Product technical index

Item	Typical value	Test method
Electrical strength test	$\geq 20\text{kV/mm}$	GB/T 1408.1-2006
Volume resistivity	$\geq 1 \times 10^{14} \Omega \cdot \text{cm}$	GB/T 1410-2006
Dielectric constant	2~3	GB/T 1409-2006
Shore hardness (a)	70 $\pm$ 5	GB/T 531
Mechanical properties before heat ageing		
Tensile strength	$\geq 4.0\text{MPa}$	GB/T 528
Elongation at break	$\geq 200\%$	GB/T 528
After heat ageing(180°C ×7d)		
Tensile strength change	$\pm 30\%$	GB/T 528
Elongation change	$\pm 30\%$	GB/T 528
Low temperature elongation(-15°C ×2h)	$\geq 20\%$	GB/T 2951.4-1997
Low temperature flexibility(-50°C ×4h)	No crack	UL224-2004
High temperature crack resistance (155°C ×2h)	No crack	GB/T2951.6-1997

LJ type aluminum strand applicable product selection table

Nominal cross-sectional area(mm ²)	Nominal outside diameter(mm)	Specifies the specifications of the insulation bushing(mm)
16	5.10	Ø8
25	6.45	Ø10
35	7.50	Ø10
50	9.00	Ø12
70	10.80	Ø14
95	12.50	Ø16
120	14.25	Ø18
150	15.75	Ø20
185	17.50	Ø22
240	20.00	Ø24
300	22.40	Ø28
400	25.90	Ø32
500	29.12	Ø35

Voltage level and wall thickness level corresponding table

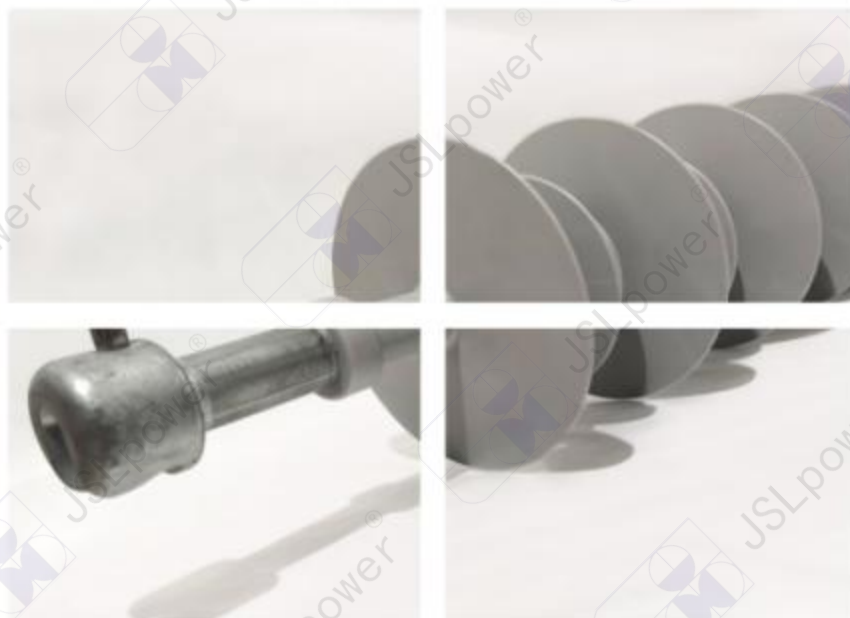
Voltage rate	≤10kV	≤35kV	≤110kV	≤220kV
Wall thickness(mm)	2.0±0.3	2.6±0.4	4.0±0.5	6.0±1.0

Polymer Silicon Insulation Cover

Description

According to the relevant regulations on public utility safety, we have launched a series of protective covers for electric equipment. The product is made of high molecular polymer, hot-melt material and anti-aging high molecular insulation material. It can effectively prevent power failure, damage to electrical equipment and electric shock caused by various factors (pollution flashover, salt fog chemical gas corrosion, human touch, small animals or sundries, etc.). So as to ensure the safe operation of power equipment.





复合绝缘子

Composite Insulators

复合悬式绝缘子

Composite Tension & Suspension Insulators

Tension/suspension insulator mainly consists of a core rod (ECR type or FRP type), silicone rubber housing and metal end fittings. JSLpower is producing and exporting tension and suspension insulators from 10kV to 33kV with various core rod sizes for distribution and transmission systems.

Core Rod- Made of high-quality Pultruded Epoxy Fiberglass Rod (FRP and ECR Types).

End Fittings- #45 Forged Steel or Ductile Iron, Hot Dip Galvanized, then directly crimp to the core rod through a circumferential crimping process to achieve better performance

Housing to Core- They are Chemically Bonded and the interface strength between the housing and core is higher than the tearing strength of housing itself.

Silicone Rubber Housing- HTV Silicone Rubber; made of high quality raw materials.

Corona/Grade Ring- Made of High-Grade Aluminum Alloy, suitable for (above) 110kV insulators

Sealing- Juncture between end fitting and Core rod is totally embedded in HTV silicon rubber, eliminating conventional and traditional sealing defects. (The other type is available that use RTV Silicone Sealant to seal the juncture between end fitting and core rod.)

连接金具

configuration of end-fittings



根据IEC61466-1所设计的连接金具，可适用于标称电压高于1000V的交流架空线路用绝缘子。

The designation of the above end-fittings are in accordance with IEC61466-1.

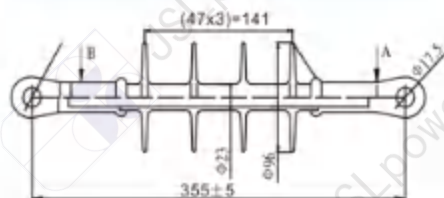
Polyethylene suspension insulator units for overhead line with a nominal voltage greater than 1000V-Pril:Standard strength classes and end fittings.

复合悬式绝缘子

Composite Tension & Suspension Insulators



FXB-11~15kV



DIMENSIONS:

Height: 355 ± 5 mm
Min Dry Arcing Distance: 200mm
Min Creepage Distance: 460mm
Diameter Of The Rod: $\phi 17$ mm
Coupling Dimensions: Clevis Tongue
Number Of Sheds: 4



RAW MATERIALS:

- 1 End-fitting:
- 1.1 Material:
- Socket: Cast Iron Or Cast Steel, Hot Dip Galvanized
- Ball: Forged Steel, Hot Dip Galvanized
- 1.2 Minimum Thickness Of The Galvanization: 86 μ m
- 2 Core:
- 2.1 Material: Epoxy & Glass Fiber, Acid-Resistant Type
- 2.2 Diameter: $\phi 17$ mm
- 3 Weather sheds:
- 3.1 Material: HTV Silicone
- 3.2 Color: Grey

MECHANICAL:

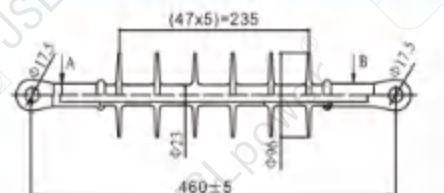
Specified Mechanical Load(SML): 70kN
Routine Test Load(RTL): 35kN
Standard: ANSI

ELECTRICAL:

Rated Voltage: 11-15kV
Critical Impulse Flashover Voltage (Pos/Neg): 140/145KV
Power Frequency Flashover Voltage (Dry/Wet): 70/60KV
Standard: IEC 61109



FXB-24~27kV



DIMENSIONS:

Height: 460 ± 5 mm
Min Dry Arcing Distance: 235mm
Min Creepage Distance: 675mm
Diameter Of The Rod: $\phi 17$ mm
Coupling Dimensions: Single ear Binaural
Number Of Sheds: 6



RAW MATERIALS:

- 1 End-fitting:
- 1.1 Material:
- Socket: Cast Iron Or Cast Steel, Hot Dip Galvanized
- Binaural: Forged Steel, Hot Dip Galvanized
- 1.2 Minimum Thickness Of The Galvanization: 86 μ m
- 2 Core:
- 2.1 Material: Epoxy & Glass Fiber, Acid-Resistant Type
- 2.2 Diameter: $\phi 17$ mm
- 3 Weather sheds:
- 3.1 Material: HTV Silicone
- 3.2 Color: Grey

MECHANICAL:

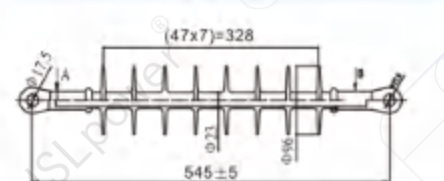
Specified Mechanical Load(SML): 70kN
Routine Test Load(RTL): 35kN
Standard: IEC 61109

ELECTRICAL:

Rated Voltage: 24-27kV
Critical Impulse Flashover Voltage (Pos/Neg): 170/190KV
Power Frequency Flashover Voltage (Dry/Wet): 75/65KV
Standard: IEC 61109



FXB-33~36kV



DIMENSIONS:

Height: 545 ± 5 mm
Min Dry Arcing Distance: 350mm
Min Creepage Distance: 900mm
Diameter Of The Rod: $\phi 17$ mm
Coupling Dimensions: Single ear Binaural
Number Of Sheds: 8



RAW MATERIALS:

- 1 End-fitting:
- 1.1 Material:
- Socket: Cast Iron Or Cast Steel, Hot Dip Galvanized
- Binaural: Forged Steel, Hot Dip Galvanized
- 1.2 Minimum Thickness Of The Galvanization: 86 μ m
- 2 Core:
- 2.1 Material: Epoxy & Glass Fiber, Acid-Resistant Type
- 2.2 Diameter: $\phi 17$ mm
- 3 Weather sheds:
- 3.1 Material: HTV Silicone
- 3.2 Color: Grey

MECHANICAL:

Specified Mechanical Load(SML): 70kN
Routine Test Load(RTL): 35kN
Standard: IEC 61109

ELECTRICAL:

Rated Voltage: 33-36kV
Critical Impulse Flashover Voltage (Pos/Neg): 230/250KV
Power Frequency Flashover Voltage (Dry/Wet): 105/95KV
Standard: IEC 61109

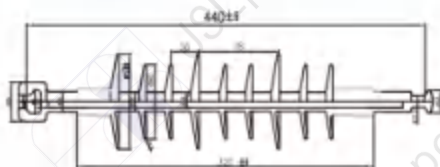
Design according to customer requirement

复合悬式绝缘子

Composite Tension & Suspension Insulators



FXB-33-36kV



DIMENSIONS:

Height: 440 ± 5 mm
Min Dry Arcing Distance: 360mm
Min Creepage Distance: 900mm
Diameter Of The Rod: $\phi 18$ mm
Coupling Dimensions: Ball and socket/Ball head
Number Of Sheds: 9

RAWMATERIALS:

1. End-fitting:
 - 1.1 Material: Socket: Cast Iron Or Cast Steel, Hot Dip Galvanized
Binaural: Forged Steel, Hot Dip Galvanized
 - 1.2 Minimum Thickness Of The Galvanization: 86 μ m
2. Core:
 - 2.1 Material: Epoxy & Glass Fiber, Acid-Resistant Type
 - 2.2 Diameter: $\phi 18$ mm
3. Weather sheds:
 - 3.1 Material: HTV Silicone
 - 3.2 Color: Grey

MECHANICAL:

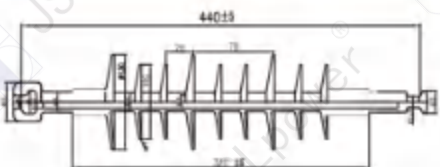
Specified Mechanical Load (SML): 40kN
Routine Test Load (RTL): 20kN
Standard: IEC 61109

ELECTRICAL:

Rated Voltage: 33-36kV
Critical Impulse Flashover Voltage (Pos/Neg): 230/250KV
Power Frequency Flashover Voltage (Dry/Wet): 95/85KV
Standard: IEC 61109



FXB-33-36kV



DIMENSIONS:

Height: 440 ± 5 mm
Min Dry Arcing Distance: 360mm
Min Creepage Distance: 900mm
Diameter Of The Rod: $\phi 18$ mm
Coupling Dimensions: Ball and socket/Ball head
Number Of Sheds: 9

RAWMATERIALS:

1. End-fitting:
 - 1.1 Material: Socket: Cast Iron Or Cast Steel, Hot Dip Galvanized
Binaural: Forged Steel, Hot Dip Galvanized
 - 1.2 Minimum Thickness Of The Galvanization: 86 μ m
2. Core:
 - 2.1 Material: Epoxy & Glass Fiber, Acid-Resistant Type
 - 2.2 Diameter: $\phi 18$ mm
3. Weather sheds:
 - 3.1 Material: HTV Silicone
 - 3.2 Color: Grey

MECHANICAL:

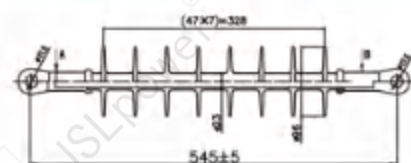
Specified Mechanical Load (SML): 70kN
Routine Test Load (RTL): 35kN
Standard: IEC 61109

ELECTRICAL:

Rated Voltage: 33-36kV
Critical Impulse Flashover Voltage (Pos/Neg): 230/250KV
Power Frequency Flashover Voltage (Dry/Wet): 95/85KV
Standard: IEC 61109



FXB-33-36kV



DIMENSIONS:

Height: 545 ± 5 mm
Min Dry Arcing Distance: 350mm
Min Creepage Distance: 900mm
Diameter Of The Rod: $\phi 17$ mm
Coupling Dimensions: Single ear/Binaural
Number Of Sheds: 8

RAWMATERIALS:

1. End-fitting:
 - 1.1 Material: Socket: Cast Iron Or Cast Steel, Hot Dip Galvanized
Ball: Forged Steel, Hot Dip Galvanized
 - 1.2 Minimum Thickness Of The Galvanization: 86 μ m
2. Core:
 - 2.1 Material: Epoxy & Glass Fiber, Acid-Resistant Type
 - 2.2 Diameter: $\phi 17$ mm
3. Weather sheds:
 - 3.1 Material: HTV Silicone
 - 3.2 Color: Grey

RAWMATERIALS:

1. End-fitting:
 - 1.1 Material: Socket: Cast Iron Or Cast Steel, Hot Dip Galvanized
Ball: Forged Steel, Hot Dip Galvanized
 - 1.2 Minimum Thickness Of The Galvanization: 86 μ m
2. Core:
 - 2.1 Material: Epoxy & Glass Fiber, Acid-Resistant Type
 - 2.2 Diameter: $\phi 17$ mm
3. Weather sheds:
 - 3.1 Material: HTV Silicone
 - 3.2 Color: Grey

MECHANICAL:

Specified Mechanical Load (SML): 70kN
Routine Test Load (RTL): 35kN
Standard: IEC 61109

ELECTRICAL:

Rated Voltage: 33-36kV
Critical Impulse Flashover Voltage (Pos/Neg): 230/250KV
Power Frequency Flashover Voltage (Dry/Wet): 105/95KV
Standard: IEC 61109

Design according to customer requirement

复合悬式绝缘子

Composite Tension & Suspension Insulators



FXBW-1/70



FXB-11/70



FXBO-11/70



FXB-12/70UD



FXB-12/70WU



FXB-12/70WU



FXB-24/70DU



FXBW-24/70



FXBW-24/70QQ



FXB-33/70DU



FXBW-33/70



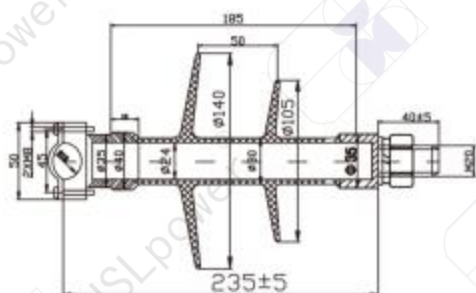
FXBW-33/70



FXBW-33/70

Design according to customer requirement

FPQ-10/4T16-20 FPQ-10/5T16-20 FPQ-10/5T16-20 FPQ-10/5T16-20 FPQ-24/3T16-20 FPQ-33/6T16-22



Height 235 ± 5mm
Min Dry Arcing Distance: 200mm
Min Creepage Distance: ≥ 345mm
Diameter Of The Rod: ϕ 24mm
Number Of Sheds: 2

1 End-fitting
1 1Material:
Socket: Cast Iron Or Cast Steel, Hot Dip Galvanized
2 2Minimum Thickness of The Galvanization: 86 um
2 Core:
2 1Material: Epoxy & Glass Fiber.
2 2Diameter: ϕ 24mm.
3 Weather sheds:
3 1Material: Silicone Rubber
3 2Color: Gray

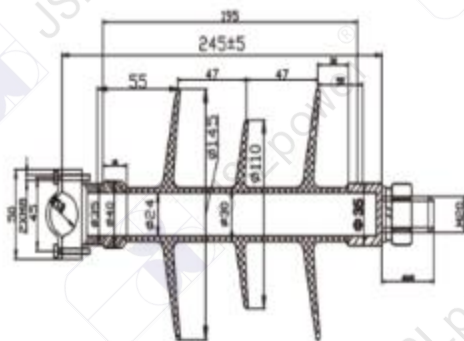
Max. Design Cantilever Load (MDCL): 2KN.
Specified Cantilever Load (SCL): 4KN.

Rated Voltage: 1 kV.
Highest Voltage: 12KV.
Power frequency withstand (Dry): $\geq 38KV$.
Lightning impulse withstand BIL: $\geq 95KV$.

-56-

复合针式绝缘子

Composite Pin Insulators

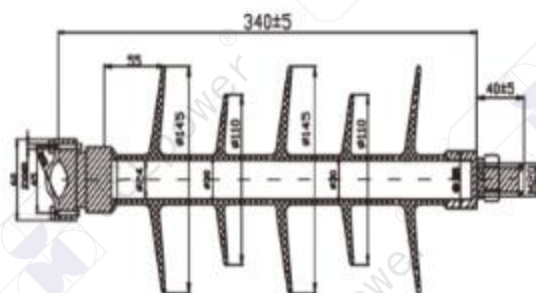


DIMENSIONS:
 Height 245±5mm
 Min Dry Arcing Distance: 210mm
 Min Creepage Distance: ≥450mm
 Diameter Of The Rod: φ24mm
 Number Of Sheds: 3

RAW MATERIALS:
 1 End-fitting:
 1.1 Material:
 Socket: Cast Iron Or Cast Steel, Hot Dip Galvanized.
 1.2 Minimum Thickness Of The Galvanization: 86 um.
 2 Core:
 2.1 Material: Epoxy & Glass Fiber
 2.2 Diameter: φ24mm
 3 Weather sheds:
 3.1 Material: Silicone Rubber
 3.2 Color: Grey.

MECHANICAL:
 Max. Design Cantilever Load(MDCL): 3KN.
 Specified Cantilever Load(SCL): 2.5KN.

ELECTRICAL:
 Rated Voltage: 18kV.
 Highest Voltage: 15KV.
 Power frequency withstand(Dry)(Wet): ≥45(40)KV.
 Lightning impulse withstand BIL: ≥95KV.

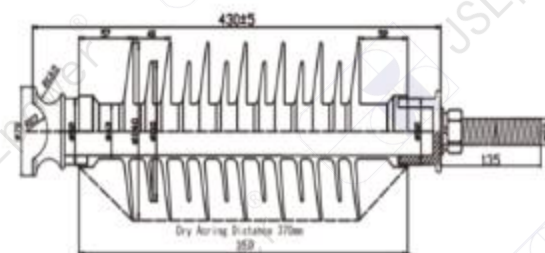


DIMENSIONS:
 Height 340±5mm.
 Min Dry Arcing Distance: 290mm
 Min Creepage Distance: 660mm.
 Diameter Of The Rod: φ24mm.
 Number Of Sheds: 5.

RAW MATERIALS:
 1 End-fitting:
 1.1 Material:
 Socket: Cast Iron Or Cast Steel, Hot Dip Galvanized.
 1.2 Minimum Thickness Of The Galvanization: 86 um.
 2 Core:
 2.1 Material: Epoxy & Glass Fiber.
 2.2 Diameter: φ24mm.
 3 Weather sheds:
 3.1 Material: Silicone Rubber.
 3.2 Color: Grey.

MECHANICAL:
 Max. Design Cantilever Load(MDCL): 3KN.
 Specified Cantilever Load(SCL): 1.5KN.

ELECTRICAL:
 Rated Voltage: 24kV.
 Highest Voltage: 27KV.
 Power frequency withstand(Dry): ≥60KV.
 Lightning impulse withstand BIL: ≥160KV.



DIMENSIONS:
 Height 430±5mm
 Min Dry Arcing Distance: 370mm
 Min Creepage Distance: 1040mm.
 Diameter Of The Rod: φ38mm.
 Number Of Sheds: 13.

RAW MATERIALS:
 1 End-fitting:
 1.1 Material:
 Socket: Cast Iron Or Cast Steel, Hot Dip Galvanized.
 1.2 Minimum Thickness Of The Galvanization: 86 um.
 2 Core:
 2.1 Material: Epoxy & Glass Fiber
 2.2 Diameter: φ38mm.
 3 Weather sheds:
 3.1 Material: Silicone Rubber
 3.2 Color: Grey.

MECHANICAL:
 Max. Design Cantilever Load(MDCL): 12.5KN.
 Specified Cantilever Load(SCL): 6.25KN.

ELECTRICAL:
 Rated Voltage: 33kV.
 Highest Voltage: 36KV.
 Power frequency withstand(Dry): ≥95KV.
 Lightning impulse withstand BIL: ≥230KV.

Design according to customer requirement

Fuse Cutout



HPRW-21



HPRW-22



HPRW-23



HPRW-24



HPRW-25

Type	Rated voltage (kV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)	Power-frequency withstand voltage	Leakage distance (mm)
HPRW-21	12-15	100	10000	110	40	380
		200	12000			
HPRW-22	12-15	100	10000	110	40	380
		200	12000			
HPRW-23	24-27	100	6000	150	65	560
		200	8000			
HPRW-24	24-27	100	6000	150	65	650
		200	8000			
HPRW-25	24-27	100	6000	150	65	800
		200	8000			



HPRW-26



HPRW-27



HPRW-28



HPRW-29

Type	Rated voltage (kV)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)	Power-frequency withstand voltage	Leakage distance (mm)
HPRW-26	27-33	100	6000	170	70	1070
		200	8000			
HPRW-27	27-33	100	6000	170	70	620
		200	8000			
HPRW-28	30-33	100	6000	170	70	680
		200	8000			
HPRW-29	36-38	100	6000	180	75	820
		200	8000			

Expulsion Fuse Link

Description

Expulsion fuse link for fuse cutout

Rated voltage: 11KV-36KV

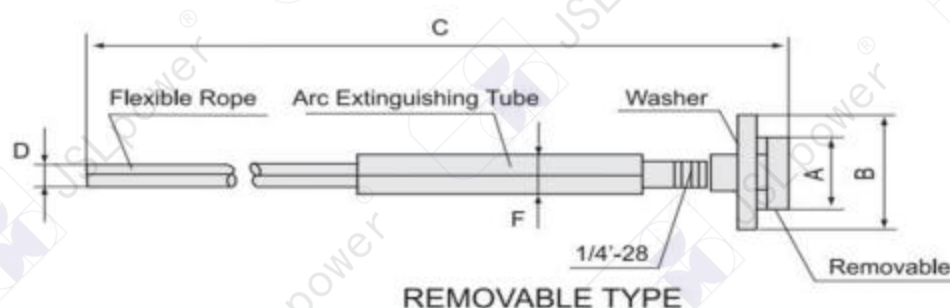
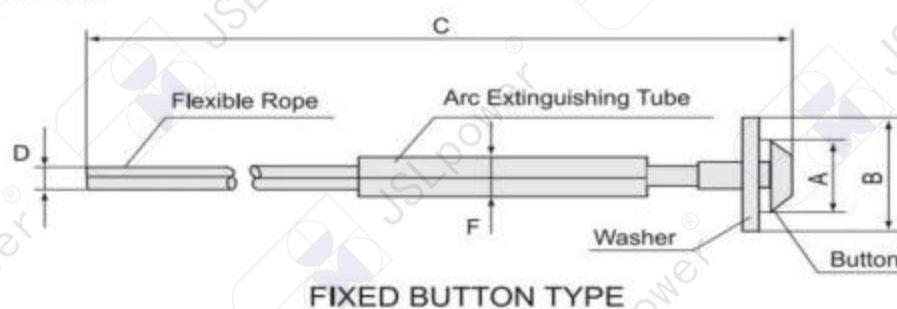
Rated current: 1A-200A

Rate of melting: Class K & Class T



Note 1	15kV	25kV	35kV
	533mm(21")	660mm(21")	787mm(31")

Outline Dimension



Rated current (A)	Dimension(mm)					
	A	B	C	D	F	
1 to 25	12.5±0.2	19.0±0.2	Note 1	2.0	6.5	
30 to 40				3.0	8.0	
50 to 75	19.0±0.3	Not applicable		4.0	10.0	
100 to 120				5.0		
140 to 200				7.0	12.0	

Surge Arrester



3-24kV Surge Arrester

Type	MOA Rated Voltage kV(rms)	MCOV kV(rms)	Current impulse Residual Voltage			2ms Rectangular current impulse withstand A(crest)	4/10 μ s High current impulse withstand kA(crest)
			1/4 μ s Lightning current impulse kV(crest)	8/20 μ s Lightning current impulse kV(crest)	30/60 μ s Switching current impulse kV(crest)		
HY5W-3L	3	2.55	11.3	9	8.9	150	65
HY5W-6L	6	5.1	22.6	18	16.8	150	65
HY5W-9L	9	7.65	33.7	27	23.8	150	65
HY5W-10L	10	8.4	36	30	23	150	65
HY5W-11L	11	9.4	40	33	30	150	65
HY5W-12L	12	10.2	42.2	36	27	150	65
HY5W-15L	15	12.7	51	45	38.5	150	65
HY5W-18L	18	15.3	61.5	54	46.2	150	65
HY5W-21L	21	17	71.8	63	54.2	150	65
HY5W-24L	24	19.5	82	72	62	150	65
HY5W-27L	27	22	92	81	69.8	150	65
HY5W-30L	30	24.4	102	90	79	150	65
HY5W-33L	33	27.5	112	99	86.7	150	65
HY5W-36L	36	29	123	108	92.4	150	65



24-36kV Surge Arrester

Type	MOA Rated Voltage kV(rms)	MCOV kV(rms)	Current impulse Residual Voltage			2ms Rectangular current impulse withstand A(crest)	4/10 μ s High current impulse withstand kA(crest)
			1/4 μ s Lightning current impulse kV(crest)	8/20 μ s Lightning current impulse kV(crest)	30/60 μ s Switching current impulse kV(crest)		
HY10W-3L	3	2.55	11.3	9	8.9	250	100
HY10W-6L	6	5.1	22.6	18	16.8	250	100
HY10W-9L	9	7.65	33.7	27	23.8	250	100
HY10W-10L	10	8.4	36	30	23	250	100
HY10W-11L	11	9.4	40	33	30	250	100
HY10W-12L	12	10.2	42.2	36	27	250	100
HY10W-15L	15	12.7	51	45	38.5	250	100
HY10W-18L	18	15.3	61.5	54	46.2	250	100
HY10W-21L	21	17	71.8	63	54.2	250	100
HY10W-24L	24	19.5	82	72	62	250	100
HY10W-27L	27	22	92	81	69.8	250	100
HY10W-30L	30	24.4	102	90	79	250	100
HY10W-33L	33	27.5	112	99	86.7	250	100
HY10W-36L	36	29	123	108	92.4	250	100

户外隔离开关

Outdoor Disconnect Switch



GWDCD-15-630A



GWDCD-24-630A

型号 Type		GWDCD-15-630A	GWDCD-24-630A
额定电压 Rated Voltage up to (kV)		15	24
额定电流 Rated Current (A)		630	630
冲击耐受电压 Dry impulse withstand Voltage (kV)	相间雷电冲击电压 Across the isolating distance of the fuse-base up to	125	125
	相地雷电冲击电压 to earth up to	145	145
工频耐受 Power-frequency withstand Voltage (kV)		65	70
爬电距离 Leakage distance (mm)		≥550	≥760
额定短路电流 Rated short-time withstand current		25kA/1s	20kA/3s



JIANGSU JINSANLI POWER EQUIPMENT INDUSTRIAL CO.,LTD



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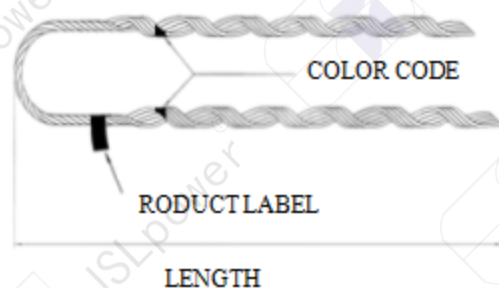
Dead-end Guy grip

Description

Designed to anchor the stay wire or earth wire in to pole or tower by proper hardware.

Slipping strength shall be not less than 95% of the stay wire or earth wire's UTS

Made of hot dip galvanized steel wire to ASTM A-475.



Drawing No.	Size (Inches)	Number of Rods	Loop Diameter (mm)	Overall Length "L" (mm)	Wire Diameter (mm)	Color Code
JSL033-1	1/7	3	Φ35	L1:500±40 L2:350±30	Φ1.8	Blue
JSL033-2	5/16	5	Φ44.5	787.5±20	Φ2.54	Black
JSL033-3	3/8	6	Φ44.5	889±20	Φ2.54	Orange
JSL033-4	3/16	4	Φ38	508±20	Φ2.18	Red
JSL033-5	9/16	5	Φ65	1397±20	Φ4.78	Yellow
JSL033-7	7/16	6	Φ51	952±20	Φ3.02	Green
JSL033-11	5/8	5	Φ64	1625±20	Φ5.18	Black
JSL033-12	1/2	5	Φ62	1257±20	Φ4.04	Blue
JSL033-13	1/4	5	Φ38	634±20	Φ2.18	Yellow

Note: Left hand lay standard.

Armor Rods

Description

To protect the conductor or ground wire and avoid the abrasion properly. Good characteristics of anti-erosion.

To enhance hardness and Reduce vibration of conductor wire, help to get rid of the abrasion when installed in bolted type suspension clamp.

It can also be used to repair the conductors when its outside layer's broken for 25%-50% and can be resumed the original mechanical strength and electric conductivity totally.

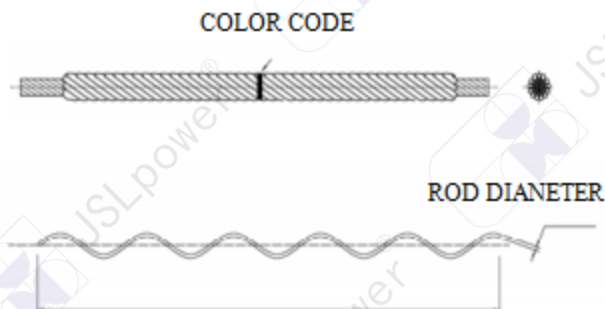
Drawing No.	Item No.	Nominal Size	Rods Per Set	Diameter (mm)	Length "L"	Color Code
JSL033-8	JSLAR-0106	#6	7	5.00	1016	Blue
	JSLAR-0110	#4	7	6.40	1016	Orange
	JSLAR-0112	#3	8	7.14	1067	Yellow
	JSLAR-0114	#2	9	8.00	1118	Red
	JSLAR-0116	#1	9	9.00	1219	Green
	JSLAR-0118	1/0	9	10.10	1320	Yellow
	JSLAR-0120	2/0	10	11.40	1370	Blue
	JSLAR-0122	3/0	11	12.80	1422	Orange
	JSLAR-0124	4/0	11	14.30	1524	Red
	JSLAR-0342	336.4	12	18.30	1829	Green
	JSLAR-0140	795	12	27.80	2438	Green
	JSLAR-0141	795	12	28.10	2540	Orange



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Rods



LENGTH

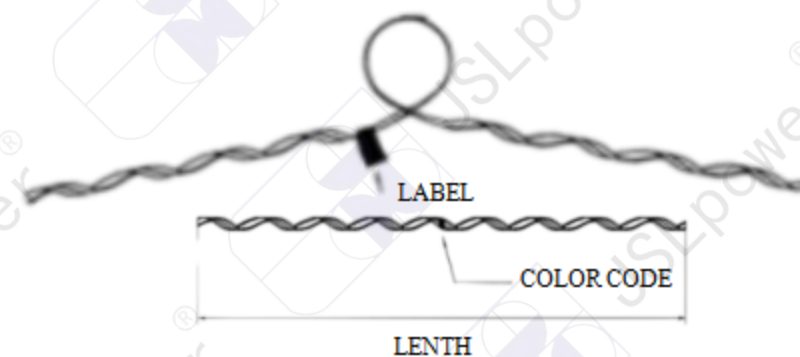
Drawing No.	Item No.	Nominal Size	Rods Per Set	Diameter (mm)	Length "L"	Color Code
JSL033-9	JSLAR-0306	#6	7	5.00	1321	Blue
	JSLAR-0310	#4	7	6.40	1321	Orange
	JSLAR-0312	#3	8	7.14	1371	Yellow
	JSLAR-0314	#2	9	8.00	1422	Red
	JSLAR-0316	#1	9	9.00	1524	Green
	JSLAR-0318	1/0	9	10.10	1625	Yellow
	JSLAR-0320	2/0	10	11.40	1676	Blue
	JSLAR-0322	3/0	11	12.80	1727	Orange
	JSLAR-0324	4/0	11	14.30	1829	Red
	JSLAR-0342	336.4	12	18.30	2134	Green



Tangent Support for ADSS

Description

Designed to anchor the ADSS for short span which is only for small broken strength and small vertical holding strength
 Composed of the reinforcing rods and a round thimble.
 Easy installation and no special tools needed.
 Compatible with other hardware

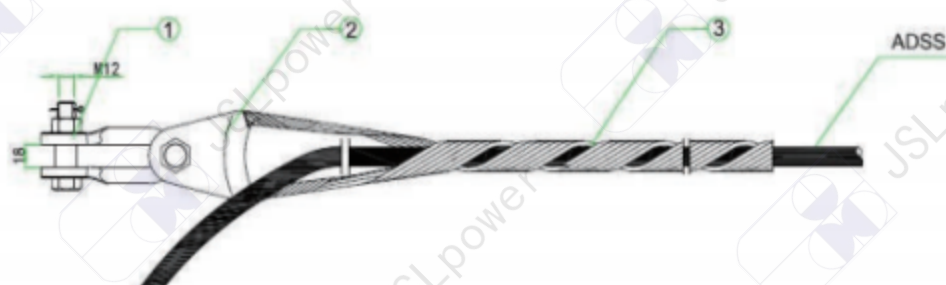


Drawing No.	Item No.	Conductor Range (mm)	1.Tangent Support					2.Reinforcing Rods				
			Wire Diameter (mm)	Rods Per Set	Lay	Color Code	Loop Diameter (mm)	Wire Diameter (mm)	Rods Per Set	Lay	Color Code	Length "L"
JSL033-6	ATSR 1070D	10.70-11.60	3.07	4	RHL	Black	55	3.07	3	RHL	Black	520
	ATSR 1450D	14.00-15.00	3.07	4	RHL	Black	55	3.07	4	RHL	Black	595
	ATSR 1620D	16.20-16.70	3.71	5	RHL	Red	55	3.71	3	RHL	Red	660

Short Span ADSS Tension Set

Description

The material for Short Span ADSS Tension Set is aluminum-clad steel or galvanized steel wire; it is mainly used for ADSS installation between strain tower/pole, corner tower/pole, mid-joint tower/pole and terminal tower/pole and terminal tower/pole which span length is less than 100M.



1、U-Shackle 2、Thimble Clevis 3、Helical Dead-end

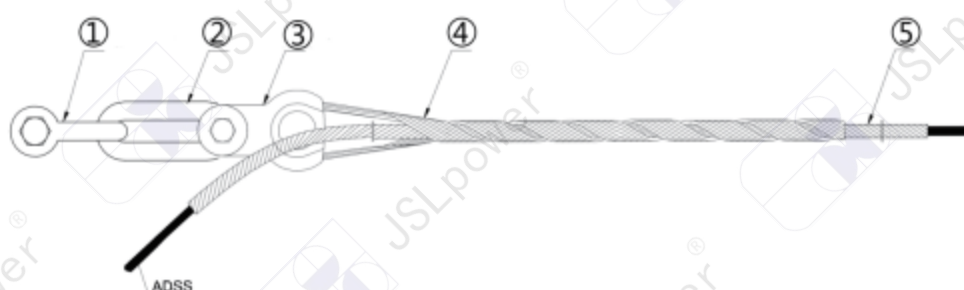
Type	Available Dia. of Cable		Span Length
	Min(mm)	Max(mm)	
JSLANJ 0950	9	9.5	Less than 100M Span
JSLANJ 1050	9.6	10.5	Less than 100M Span
JSLANJ 1160	10.6	11.6	Less than 100M Span
JSLANJ 1280	11.7	12.8	Less than 100M Span
JSLANJ 1410	12.9	14.1	Less than 100M Span
JSLANJ 1560	14.2	15.6	Less than 100M Span
JSLANJ 1700	15.7	17	Less than 100M Span



Medium/Long Span ADSS Tension Set

Description

Medium/Long Span ADSS Tension Set is composed of helical Dead-end and structural reinforcing rods, the materials are aluminum-clad steel or galvanized steel, it is mainly used for ADSS installation between strain tower/pole, corner tower/pole and terminal tower/pole which span length is more than 200 with RTS of the cable is larger than 15KN, Medium Span ADSS Tension set is used for installation span length between 200-400M, Long Span ADSS Tension set is used for installation span length more than 400M.



- 1、U-Shackle 2、Eye Chain Link 3、Thimble Clevis
4、Helical Dead-end 5、Structural Reinforcing Rods

Type	Available Dia. of Cable		Reference Span(m)
	Min(mm)	Max(mm)	
JSLANY 0940 020	8.6	9.4	200/300
JSLANY 1010 020	9.5	10.1	200/300
JSLANY 1070 020	10.2	10.7	200/300
JSLANY 1140 020	10.8	11.4	200/300
JSLANY 1220 020	11.5	12.2	200/300
JSLANY 1290 020	12.3	12.9	200/300
JSLANY 1370 020	13	13.7	200/300



Type	Available Dia. of Cable(mm)		Reference Span(m)
	Min(mm)	Max(mm)	
JSLANY 1140 030	10.8	11.4	300/400
JSLANY 1220 030	11.5	12.2	300/400
JSLANY 1290 030	12.3	12.9	300/400
JSLANY 1370 030	13	13.7	300/400
JSLANY 1460 030	13.8	14.6	300/400
JSLANY 1550 030	14.7	15.5	300/400
JSLANY 1220 040	11.5	12.2	400/500
JSLANY 1290 040	12.3	12.9	400/500
JSLANY 1370 040	13	13.7	400/500
JSLANY 1460 040	13.8	14.6	400/500
JSLANY 1550 040	14.7	15.5	400/500
JSLANY 1650 040	15.6	16.5	400/500
JSLANY 1370 050	13	13.7	500/600/700
JSLANY 1460 050	13.8	14.6	500/600/700
JSLANY 1550 050	14.7	15.5	500/600/700
JSLANY 1650 050	15.6	16.5	500/600/700
JSLANY 1370 060	13	13.7	600/700/800
JSLANY 1460 060	13.8	14.6	600/700/800
JSLANY 1550 060	14.7	15.5	600/700/800
JSLANY 1650 060	15.6	16.5	600/700/800
JSLANY 1460 070	13.8	14.6	700/800/900
JSLANY 1550 070	14.7	15.5	700/800/900
JSLANY 1650 070	15.6	16.5	700/800/900
JSLANY 1750 070	16.6	17.5	700/800/900
JSLANY 1870 070	17.6	18.7	700/800/900
JSLANY 1550 080	14.7	15.5	800/900/1000
JSLANY 1650 080	15.6	16.5	800/900/1000
JSLANY 1750 080	16.6	17.5	800/900/1000
JSLANY 1870 080	17.6	18.7	800/900/1000



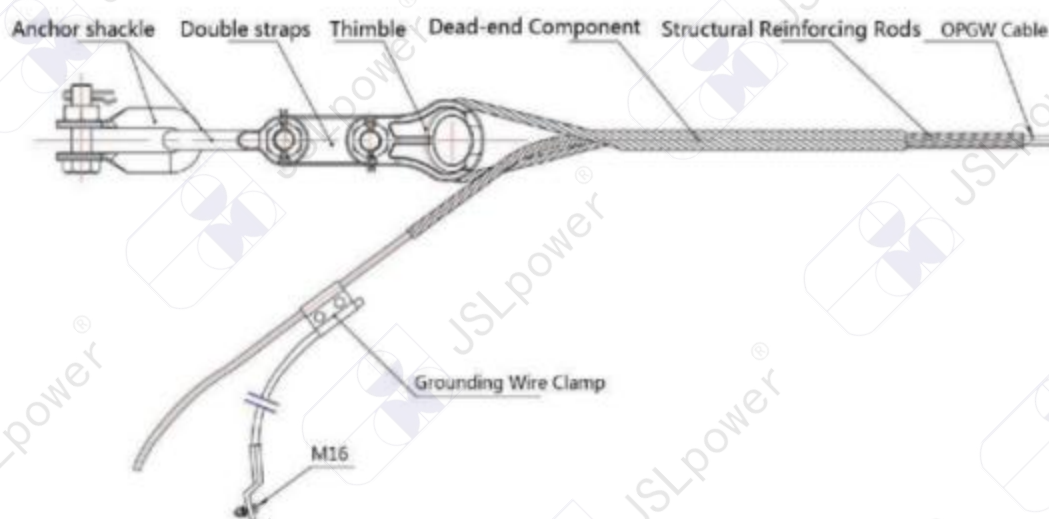
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Helical Tension Set for OPGW

Description

Helical Tension Set OPGW is mainly used for installation of cable with less than 160KN RTS onto tension tower/pole, corner tower/pole, and terminal tower/pole.

A complete set of OPGW Helical Tension Set includes Aluminum Alloy or Aluminum or Aluminum-Clad steel Dead-end, Structural Reinforcing Rods, Supporting fittings and Grounding wire Clamps etc.



Type	Available Dia. of Cable		Failing Load(KN)
	Min.(mm)	Max.(mm)	
JSLONY-0780	7.2	7.8	70
JSLONY-0880	7.9	8.8	70
JSLONY-1010	8.9	10.1	70
JSLONY-1140	10.2	11.4	80
JSLONY-1280	11.5	12.8	90
JSLONY-1410	12.9	14.1	100
JSLONY-1550	14.2	15.5	110
JSLONY-1730	15.6	17.3	120
JSLONY-1920	17.4	19.2	160
JSLONY-2110	19.3	21.1	160

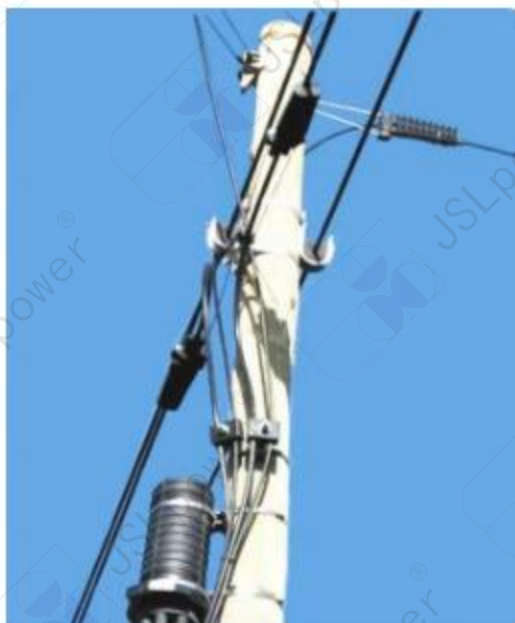


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Plastic Tension Clamp

Description

This Conical wedge clamp composed of an opened thermoplastic body with very high mechanical and climatic resistance, an inner sheath consisting one or two insulating plastic wedges ensuring the clamping of the neutral messenger without damaging cable insulation. Two stainless bail ends are compressed on it to lock into clamp. Simple assembling because the wedges open by pulling them back. The flexible steel loop can be fixed into a closed eye bracket.



Type	Available Dia. Of Canle(mm)
JSLPA1500	25-50
JSLPA2000	54.6-70



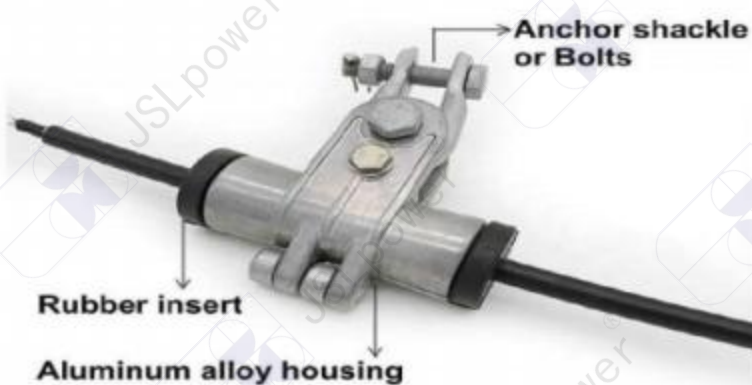
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Short Span Suspension Set and Single Layer Suspension Set

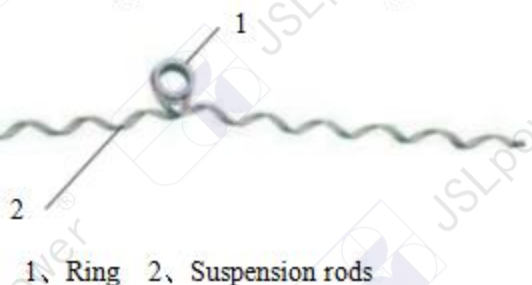
Description

Short Span Suspension Set for ADSS cable is mainly used for span length within 100M; Single Layer Suspension Set is mainly used for span length between 100M and 200M.

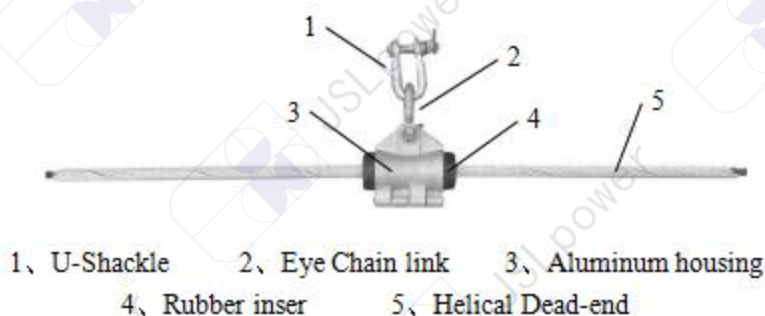
1. Tangent Clamp for ADSS (Span less than 100M)



2. Ring type Suspension for ADSS (Span less than 100M)



3. Single Layer Suspension for ADSS (Suitable for Span length 200M)





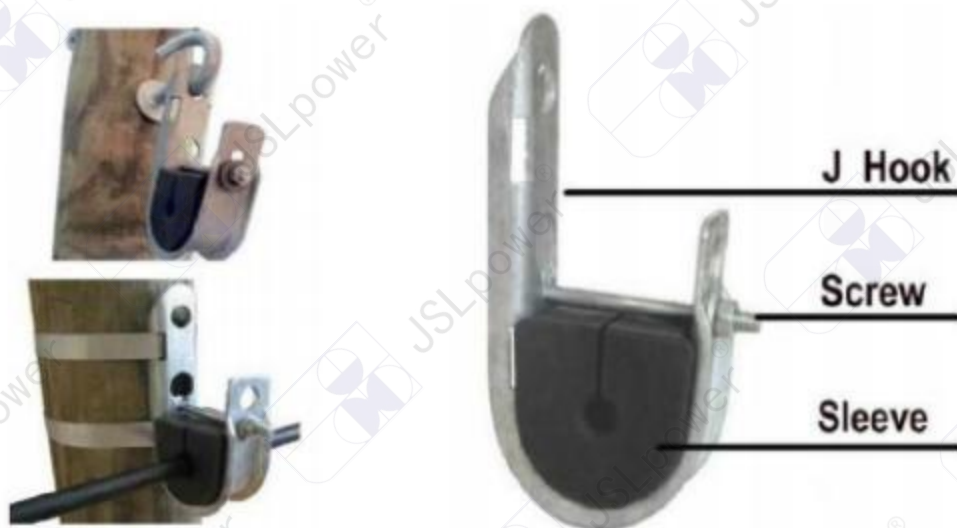
Item	Type	Available Dia of Cable(mm)	Reference Span(m)
Tangent Clamp for ADSS	JSLAXQ-1110	9.0-11.1	100
	JSLAXQ-1330	11.2-13.3	100
	JSLAXQ-1550	13.4-15.5	100
Ring type Suspension for ADSS	JSLAXH 1080	10.2-10.8	100
	JSLAXH 1150	10.9-11.5	100
	JSLAXH 1220	11.6-12.2	100
	JSLAXH 1290	12.3-12.9	100
	JSLAXH 1360	13.0-13.6	100
	JSLAXH 1430	13.7-14.3	100
Single layer Helical rods tangent clamp for ADSS	JSLAXD-1010	9.7-10.1	200
	JSLAXD-1060	10.2-10.6	200
	JSLAXD-1110	10.7-11.1	200
	JSLAXD-1160	11.2-11.6	200
	JSLAXD-1170	11.7-11.7	200
	JSLAXD-1200	11.8-12.0	200
	JSLAXD-1270	12.1-12.7	200
	JSLAXD-1290	12.8-12.9	200
	JSLAXD-1360	13.0-13.6	200
	JSLAXD-1410	13.7-14.1	200
	JSLAXD-1430	14.2-14.3	200
	JSLAXD-1450	14.4-14.5	200
	JSLAXD-1510	14.6-15.1	200



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4. J-hook suspension clamp for ADSS

The J hook suspension clamp is used for the direct suspension of round ADSS cables with Ø10 to 20mm which span length is less than 100M with straight poles.



Type	Cable dia(mm)	Fail in load(KN)
JSLPT-1015	10-15	5
JSLPT-1520	15-20	5



Suspension Set for ADSS

Description

If Suspension Set for ADSS is adopted double layers helical rods designing, it is generally used for 300M-400M span length ADSS installation, which clamp break strength is less than 70KN, grip strength is less than 15% -20% RTS of the cable.

It is composed of aluminum alloy and aluminum-clad steel helical rods , Aluminum housing and other link fittings.



- 1、U-Shackle 2、Eye Chain link 3、Aluminum housing
4、Rubber insert 5、Outer Rods 6、Structural Reinforcing Rods

Type	Available Dia of Cable		Available Span(M)
	Min.(mm)	Max.(mm)	
JSLAXY-1010 300	9	10.1	200/300
JSLAXY-1110 300	10.2	11.1	200/300
JSLAXY-1210 300	11.2	12.1	200/300
JSLAXY-1310 300	12.2	13.1	200/300
JSLAXY-1410 300	13.2	14.1	200/300
JSLAXY-1510 300	14.2	15.1	200/300
JSLAXY-1610 300	15.2	16.1	200/300
JSLAXY-1010 400	9	10.1	300/400



Type	Available Dia of Cable		Available Span(M)
	Min.(mm)	Max.(mm)	
JSLAXY-1110 400	10.2	11.1	300/400
JSLAXY-1210 400	11.2	12.1	300/400
JSLAXY-1310 400	12.2	13.1	300/400
JSLAXY-1410 400	13.2	14.1	300/400
JSLAXY-1510 400	14.2	15.1	300/400
JSLAXY-1610 400	15.2	16.1	300/400
JSLAXY-1210 500	11.2	12.1	400/500
JSLAXY-1310 500	12.2	13.1	400/500
JSLAXY-1410 500	13.2	14.1	400/500
JSLAXY-1510 500	14.2	15.1	400/500
JSLAXY-1610 500	15.2	16.1	400/500
JSLAXY-1210 600	11.2	12.1	500/600
JSLAXY-1310 600	12.2	13.1	500/600
JSLAXY-1410 600	13.2	14.1	500/600
JSLAXY-1510 600	14.2	15.1	500/600
JSLAXY-1610 600	15.2	16.1	500/600
JSLAXY-1410 800	13.2	14.1	700/800
JSLAXY-1510 800	14.2	15.1	700/800
JSLAXY-1610 800	15.2	16.1	700/800
JSLAXY-1710 800	16.2	17.1	700/800
JSLAXY-1810 800	17.2	18.1	700/800
JSLAXY-1610 1000	15.2	16.1	900/ 1000
JSLAXY-1710 1000	16.2	17.1	900/ 1000
JSLAXY-1810 1000	17.2	18.1	900/ 1000
JSLAXY-1910 1000	18.2	19.1	900/ 1000

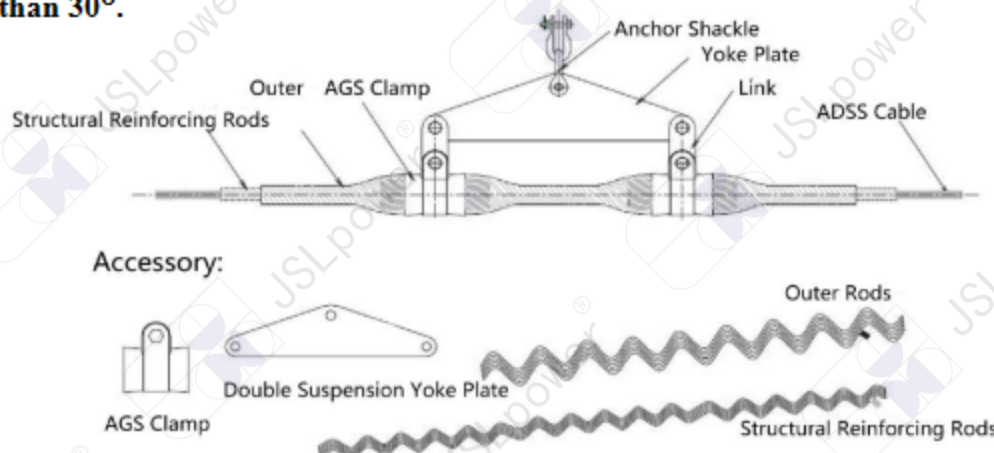


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Double Suspension Sets for ADSS

Description

Double Suspension Set is mainly used for ADSS installation on pole/tower with large falling head. The span length is more than 800M or cable corner is more than 30°.



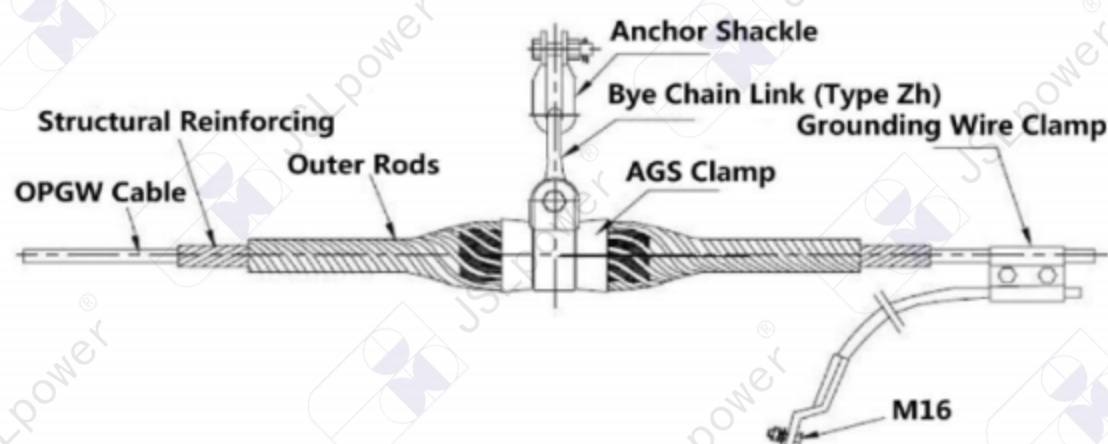
Type	Available Dia of Cable	
	Min.(mm)	Max.(mm)
JSLAXS- 1010	9.7	10.1
JSLAXS- 1060	10.2	10.6
JSLAXS- 1110	10.7	11.1
JSLAXS- 1160	11.2	11.6
JSLAXS- 1170	11.7	11.7
JSLAXS- 1200	11.8	12
JSLAXS- 1270	12.1	12.7
JSLAXS- 1290	12.8	12.9
JSLAXS- 1360	13	13.6
JSLAXS- 1410	13.7	14.1
JSLAXS- 1430	14.2	14.3
JSLAXS- 1450	14.4	14.5
JSLAXS- 1510	14.6	15.1
JSLAXS- 1580	15.2	15.8
JSLAXS- 1600	15.9	16
JSLAXS- 1690	16.1	16.9
JSLAXS- 1730	17	17.3
JSLAXS- 1800	17.4	18
JSLAXS- 1880	18.1	18.8



Suspension Set for OPGW

Description

Helical Suspension Set is mainly used for hanging and supporting optical fiber cable on straight pole and tower, to transmit axial load and divert axial pressure which provide well protection for optical cable, to avoid emergencies happen such as too small bending radius or stress concentration. Grip strength of the Suspension Set is larger than 15%-20% rated tensile strength of the cable, which is fatigue resistance and can serve as vibration reduction.



Type	Available Dia. of Cable		Length of Structural Reinforcing Rods(mm)	Length of Outer Rods(mm)
	Min.(mm)	Max.(mm)		
JSLOXY-0800	7.4	8	1650	1100
JSLOXY-0880	8.1	8.8	1650	1100
JSLOXY-0960	8.9	9.6	1690	1140
JSLOXY-1010	9.7	10.1	1690	1140
JSLOXY-1060	10.2	10.6	1690	1140
JSLOXY-1110	10.7	11.1	1720	1140
JSLOXY-1160	11.2	11.6	1760	1180
JSLOXY-1170	11.7	11.7	1840	1240



Type	Available Dia. of Cable		Length of Structural Reinforcing Rods(mm)	Length of Outer Rods(mm)
	Min. (mm)	Max. (mm)		
JSLOXY-1200	11.8	12	1840	1240
JSLOXY-1270	12.1	12.7	1840	1240
JSLOXY-1290	12.8	12.9	1860	1240
JSLOXY-1360	13	13.6	1960	1320
JSLOXY-1410	13.7	14.1	1960	1320
JSLOXY-1430	14.2	14.3	2000	1320
JSLOXY-1450	14.4	14.5	2000	1440
JSLOXY-1510	14.6	15.1	2120	1440
JSLOXY-1580	15.2	15.8	2120	1440
JSLOXY-1600	15.9	16	2180	1620
JSLOXY-1690	16.1	16.9	2400	1620
JSLOXY-1730	17	17.3	2400	1620
JSLOXY-1800	17.4	18	2400	1620
JSLOXY-1840	18.1	18.4	2400	1620
JSLOXY-1880	18.5	18.8	2400	1620
JSLOXY-1890	18.9	18.9	2400	1620
JSLOXY-1990	19	19.9	2400	1620

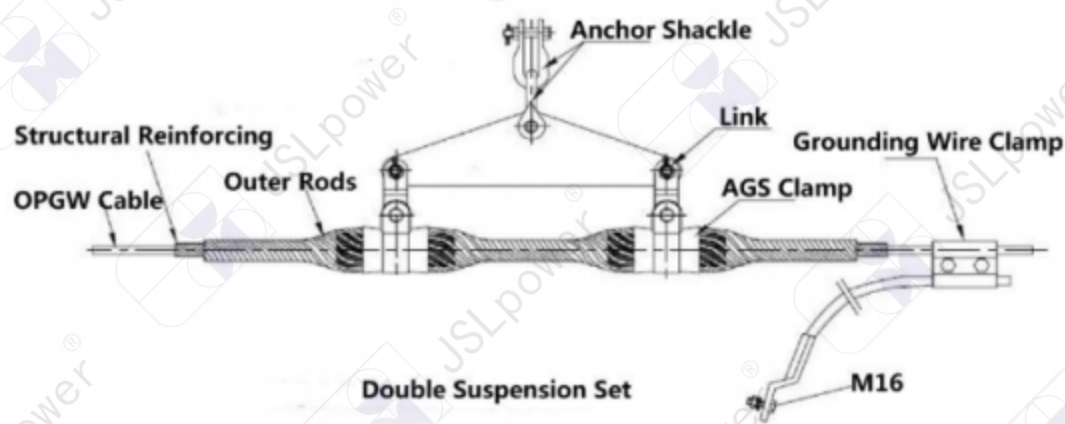


Double Suspension Set for OPGW

Description

OPGW Double Helical Tension Set is special designed for cable installation and supporting on straight pole and tower with large span length, high falling head and line angle large than 30° , where the cable RTS is larger than 160KN.

The whole set is composed of inner reinforcing rods, and outer Dead-ends, two sets of suspension housing, link fittings and grounding clamps.



Type	Available Dia of Cable		RTS of Cable(KN)
	Min.(mm)	Max.(mm)	
JSLONS-170/1530	14.1	15.3	170
JSLONS-170/1660	15.4	16.6	170
JSLONS-170/1790	16.7	17.9	170
JSLONS-210/1660	15.4	16.6	210
JSLONS-210/1790	16.7	17.9	210
JSLONS-210/1920	18	19.2	210
JSLONS-250/1790	16.7	17.9	250
JSLONS-250/1920	18	19.2	250
JSLONS-250/2050	19.3	20.5	250
JSLONS-320/1920	18	19.2	320
JSLONS-320/2050	19.3	20.5	320
JSLONS-400/2050	19.3	20.5	400
JSLONS-400/2180	20.6	21.8	400



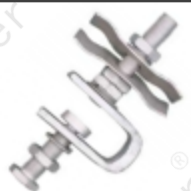
Down Lead Clamp

Description

Down Lead Clamp is used for fixation of OPGW and ADSS onto the pole/tower. It is suitable for all kinds of cable diameter; the installation is reliable, convenient and fast.

Down Lead Clamp is divided into two basic types: pole used and tower used. Each basic type is divided into elector-insulating rubber and metal type.

Elector-insulating rubber type Down Lead Clamp is generally used for ADSS installation, while **metal type Down Lead Clamp** is generally used for OPGW installation.

Item	Type	Available Dia. of Cable(mm)	Note	Picture
Rubber type Down Lead Clamp for tower	JSLTGY 1110-T	9.0-11.1	For ADSS Cable	
	JSLTGY 1330-T	11.2-13.3		
	JSLTGY 1550-T	13.4-15.5		
	JSLTGY 1800-T	15.6-18.0		
Metal type Down Lead Clamp for tower	JSLTGY 240-T	7.4-20.0	For OPGW Cable	
Rubber type Down Lead Clamp for pole	JSLTGY 1110-H*	9.0-11.1	For ADSS Cable	
	JSLTGY 1330-H*	11.2-13.3		
	JSLTGY 1550-H*	13.4-15.5		
	JSLTGY 1800-H*	15.6-18.0		
Metal type Down Lead Clamp for pole	JSLTGY 240-H*	7.4-20.0	For OPGW Cable	

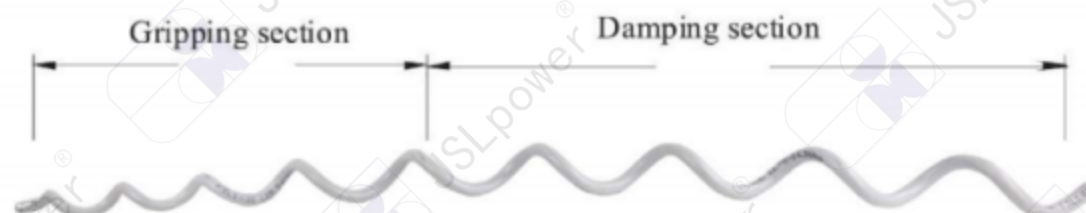


Spiral Vibration Damper

Description

Spiral Vibration Damper is made of engineering plastic which is high strength, aging resistance and high elastic; it will not cause any mechanical damage to the optical fiber cable.

Spiral Vibration Damper is widely used in ADSS cable installation. It is composed of a short part of gripping section and a long damping section. The gripping section can effectively close upon the cable to make sure the spiral vibration damper to fix on the cable firmly; the damping section consumes the vibration energy through mutual crash with the cable so that the windy vibration on the cable can be weakened.



Type	Dia.Range(mm)	Length(mm)	Weight(kg)
JSLFTL 1170 130	8.30-11.70	1300	0.28
JSLFTL 1430 135	11.71-14.30	1350	0.3
JSLFTL 1930 167	14.31-19.30	1670	0.66

Note: Recommend Allocation number of spiral vibration damper

Span(m)	Recommend Qty/Span
< 100	0
100-250	2
250-400	4
400-800	6
800-1000	8



JSLpower®

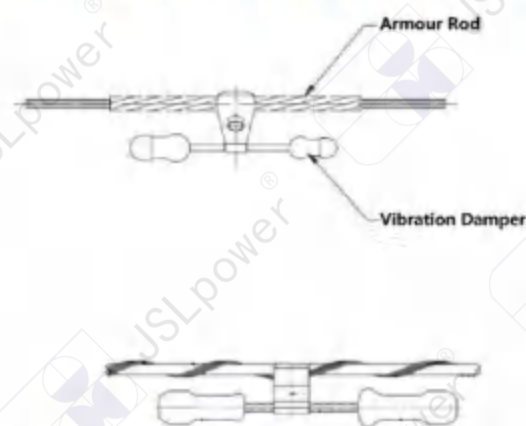
Vibration Damper

Description

4D Vibration damper is composed of two different weight hammers stranded galvanization steel wire with high elasticity and high-intensity, and aluminum alloy clamp.

The 4D series Vibration dampers we provided are Stock-bridge Tuning Fork, with four resonant frequencies, the frequency range is from 3Hz to 150Hz. with wide frequency range, the 4D vibration damper can highly consume vibration energy, and effectively dissipate the energy caused by cable Aeolian vibration, reduce cable vibration horizontal, extend the cable service life.

Vibration Damper can be installed on both OPGW and ADSS cable. Armor rods are needed when it is installed on OPGW and ADSS cable. Armor rods are also called Vibration damper hyperactive rods. Because of the concentrated stress, vibration damper will cause some damages to the cable. the armor rods provide proper stress distribution on the optical cable and protect the cable.

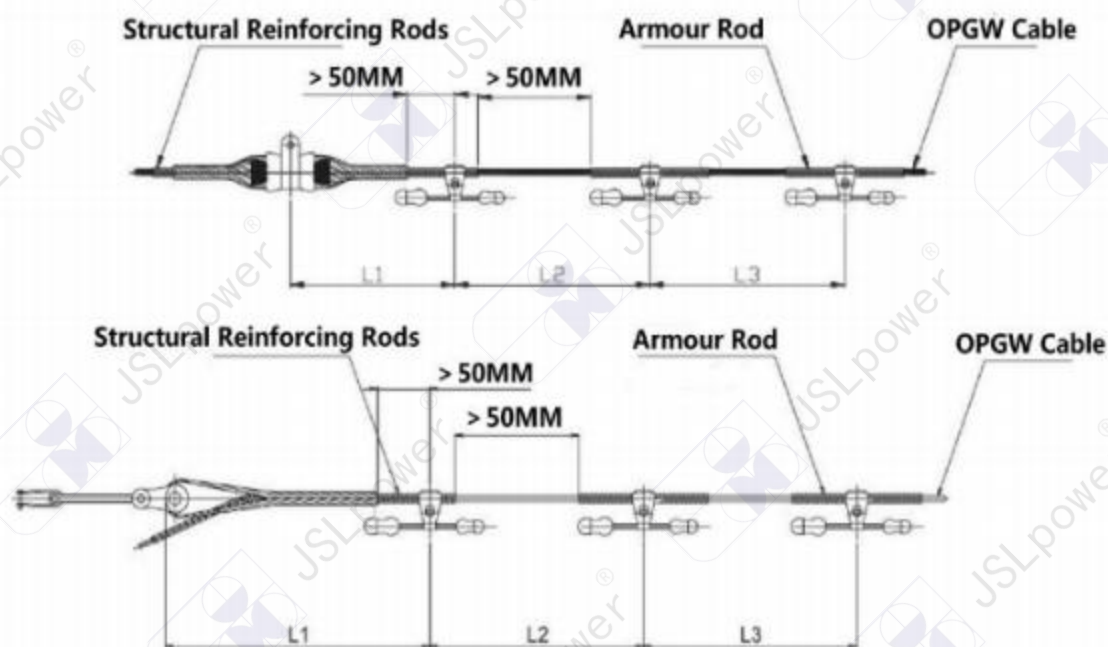


Recommend allocation

Recommend quantity of vibration damper/span	Cable Dia.(mm)	Span			
	D<12	100-300	300-600	600-900	-
	12≤D<12	100-350	350-700	700-1000	1000-1200
	Vibration damper for OPGW	2	4	6	8
	D<12	100-250	250-450	450-700	-
	12≤D<12	100-250	250-500	500-800	800-1000
	Vibration damper for ADSS	2	4	6	8



JSLpower®

**Installation Hint**

Type	Conductor Range (mm)	Dimension(mm)						weight (kg)
		A	B	C	D	E	F	
JSLJFR-1	7-12	138	118	429	50	81	48	2.54
JSLJFR-2	11-20	138	118	429	50	81	48	2.61
JSLJFR-3	18-28	167	146	505	60	91	57	5
JSLJFR-4	26-36	218	163	550	60	97	64	6
JSLJFR-5	33-38	218	163	550	70	127	64	7.9
JSLJFR-6	36-40	325	325	650	70	127	74	11

Expanding Duct Plug

Description

This plug is used to seal a open pipeline,people well,building, glass steel and other hand-hole connection,guarantee against the sewage, garbage, and gas ingress.



No.	Type	Duct OD(mm)	Sealing Range(mm)
1	JSLEDP32	32	25.5--29
2	JSLEDP40	40	29--38
3	JSLEDP50	50	37.5--46.5

Simplex Duct Plug

Description

A fiber optic simplex duct plug is used to seal the space between the duct and the cable in a duct.

The plug is divisible so it can be installed after blowing a cable in the duct.



No.	Type	Duct OD(mm)	Sealing Range(mm)
1	JSLSDP-32-0914	32	9--14.5
2	JSLSDP-40-0914	40	9--14.5
3	JSLSDP-40-1418	40	14--18
4	JSLSDP-50-0814	50	8.9--14.5
5	JSLSDP-50-1318	50	13--18

SS Stainless Steel Uncoated Bands

Description

Material:SS201, SS304, SS316

Working Temp:-80°C~150°C

Coating on Surface:Uncoated Silver Colour

Length:30/50 M / roll



No.	Type	Width		Thickness (mm)
		(inches)	(mm)	
1	JSL-P-0638	1/4	6.5	0.38
2	JSL-P-0938	3/8	9.5	0.38
3	JSL-P-1060	3/8	10.0	0.60
4	JSL-P-1360	1/2	13.0	0.60
5	JSL-P-1660	5/8	16.0	0.60
6	JSL-P-1960	3/4	19.0	0.60
7	JSL-P-1076	3/8	10.0	0.76
8	JSL-P-1376	1/2	12.7	0.76
9	JSL-P-1676	5/8	16.0	0.76
10	JSL-P-1976	3/4	19.0	0.76
11	JSL-P-2612	1	25.0	0.76

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