

## 卡扣式绝缘护套管 Overhead line insulation sleeve

我公司推出用于架空线路绝缘防护的新产品---OLIS (卡扣式绝缘护套管), 其性能可靠, 安装简便、快捷, 可用于1kV至35kV的电力网络。

New product for the insulation protection of overhead lines---OLIS ( Overhead Line Insulation Sleeve ) , it is stable in performance, easy and quick to installation, suitable for application in 1-35KV Power System.

### 产品特点

- ◆ 不用拆装电线即可安装
- ◆ 轻便
- ◆ 防爬电
- ◆ 耐候性好
- ◆ 耐紫外线及抗磨损
- ◆ 定位安装
- ◆ 简捷

### Features

- ◆ Live, consistent Installation
- ◆ Lightweight
- ◆ Anti-tracking
- ◆ Weather Resistance
- ◆ High Resistance to UV and Erosion
- ◆ Localized Installation
- ◆ Easy and quick Installation



### 应用领域

◆ 在树枝繁茂处, 如有架空裸线经过时, 当树枝、树杈不慎掉落到导线上后, 可能引起架空线短路, 从而造成停电。而卡扣式绝缘护套管可很好的解决这一问题: 将卡扣式绝缘护套管锁扣到树枝、树杈易掉落到导线上的位置后, 此段线路会很好的被绝缘保护起来, 从而避免短路事故的发生。

◆ 卡扣式绝缘护套管用于铁路系统及电网的架空裸线的绝缘保护, 防止短路事故的发生, 能有效保证架空裸线和输电母排的安全运行。

◆ 由于电气铁路设计原因或运行一段时间后, 输电支柱绝缘子的绝缘性能变差, 对铁路运行安全带来一些安全隐患, 因此需在绝缘子处加装一些必要的绝缘防护装置, 而卡扣式绝缘护套管可完全满足其需要。

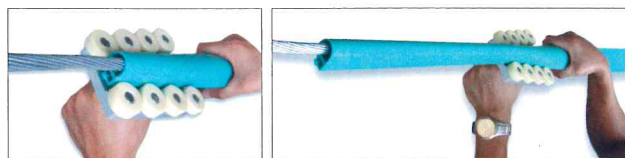
### 突出优点

◆ 卡扣式绝缘护套管, 采用独特的辐照交联材料, 具有优良的耐候性性能和绝缘性能, 卡扣式设计安全可靠, 施工简便, 运用于现场的紧急维修和设备的临时绝缘防护。

◆ 锁扣式密封装置, 安装时简便、快捷, 无需任何工具, 只需将两端扣在一起即可完成安装。

◆ 内置式爬电器, 增长了爬电的距离, 进一步提高其绝缘性能。

◆ OLIS带有胶的卡扣式密封结构, 进一步增强密封效果, 提高耐电压等级。



### Application

◆ Overhead Line Insulation Sleeves can protect overhead lines which go across trees effectively by providing insulation to prevent electrical outages caused by incidental contact from tree branches or wildlife.

◆ It can improve insulating performance and prevent electrical outages, so as to supply insulation protection for overhead conductor and bus bar when it used for railway system and overhead lines.

◆ By providing reliable insulation protection, Overhead Line Insulation Sleeves help to solve the safety problem caused by the decline of insulating performance of electric transmission insulator due to the defect of design and long-time running of electric railroad.

### Special advantage

◆ Overhead Line Insulation Sleeve, made by radiation cross linking material, has superior weather resistance and insulating performance, it is safe, stable, easy to operate, and widely used in emergency repairs and temporary insulating protection of equipment.

◆ Snap-in type, quick installation by snap locking the two ends together.

◆ Built-in creepage fit, longer creepage distance, better insulation performance.

◆ Snap-in sealing structure with adhesive helps to improve the sealing performance and voltage resistance level.

## 性能指标 Technical data

性能 Property	项目 Item	测试条件 Test Condition	性能指标 Typical Performance	试验方法 Test Method
机械性能 Physical	吸水率 Water absorptivity		≤0.1%	GB/T 1034-2008, ISO 62
	硬度 Hardness		85 ± 5 邵氏 Shore A	GB/T 2411-2008, ISO 868
	拉伸强度 Tensile strength		≥12.0MPa	ASTM D 638-08, ISO 604
	断裂伸长率 Ultimate elongation		≥400%	ASTM D 638-08, ISO 604
	低温柔韧性 Cold bend test	-40 ± 2°C/1hrs	不开裂 No cracking	UL224-2006
	热冲击性能 Heat shock	136 ± 1°C/1hrs	不开裂 No cracking	ASTM D 2671-09
老化性能 Ageing Behaviour	拉伸强度 Tensile strength	130 ± 1°C/168hrs	> 70%	GB/T7141-2008
	伸长率 Elongation	130 ± 1°C/168hrs	> 70%	GB/T7141-2008, ISO 604
电气性能 Electrical	击穿强度 Breakdown strength		≥20kV/mm	GB/T1408.1-2006, IEC 243
	体积电阻率 Volume resistivity		≥1.0 × 10 <sup>13</sup> Ω · cm	GB/T 1410-2006, IEC 93
	介电常数 Dielectric constant		≤3.5	GB/T 1409-2006, IEC 250
化学性能 Chemical	着火危险试验 Flammability	960 ± 15°C	通过 Pass	

## 规格型号 Dimensions

序号 No.	适用线芯 Conductor size (mm <sup>2</sup> )	规格型号 Description	部件尺寸 Specification		颜色 Color	标准尺寸 Standard length	
			厚度 Thickness (mm)	宽度 Width (mm)		米/根 m/root	米/卷 m/roll
1	95	CYG-OLIS-13	2.3 ± 0.3	65 ± 2	红red、黄yellow、绿green	2	20
2	185	CYG-OLIS-21	2.3 ± 0.3	87 ± 2	红red、黄yellow、绿green	2	20
3	240	CYG-OLIS-23	2.3 ± 0.3	91 ± 2	红red、黄yellow、绿green	2	20
4	300	CYG-OLIS-25	2.3 ± 0.3	96 ± 2	红red、黄yellow、绿green	2	20
5	400	CYG-OLIS-28	2.3 ± 0.3	114 ± 2	红red、黄yellow、绿green	2	10
6	500	CYG-OLIS-31	2.3 ± 0.3	122 ± 2	红red、黄yellow、绿green	2	10
7	800	CYG-OLIS-39	2.3 ± 0.3	132 ± 2	红red、黄yellow、绿green	2	10
8	1000	CYG-OLIS-46	2.3 ± 0.3	165 ± 2	红red、黄yellow、绿green	2	10
9	1500	CYG-OLIS-63	2.3 ± 0.3	222 ± 2	红red、黄yellow、绿green	2	10

说明：常规卡扣式绝缘护套管耐压等级为20kV，带胶卡扣式绝缘护套管耐压等级为35kV。带胶和警示用双色需订制。  
 Remark: The withstand voltage level of conventional product is 20kV, the withstand voltage level of product with adhesive is 35kV. Double-colored products for warning are available for customization.