

具有屏蔽和耐化学品功能的电缆

Power Cable with Shielding and Chemical Medicine Resistance

一、适用范围

本产品适用于炼油厂、石油化工厂及一般化工厂中经常会接触到芳香族溶剂的输电线路或电气控制线路, 电缆具有较好的耐化学药品、油类、溶剂腐蚀能力, 同时具有防磁场、静电干扰的能力, 电缆可用于直埋和穿管敷设。

二、执行标准

参照GB/T9330-2008及GB/T12706-2008标准。

三、工作条件

- 1、电缆额定电压 $U_0/U=0.6/1kV$ 。
- 2、电缆导体的长期允许工作温度为 $90^{\circ}C$ 。
- 3、电缆安装时的最小弯曲半径: 单芯电缆 $\geq 25D$; 多芯电缆 $\geq 20D$ (D为电缆外径)。
- 4、敷设电缆时的环境温度不低于 $0^{\circ}C$ 。

四、型号名称

Application

The cable is widely used in the field of refinery, petrochemical industry and common chemical plant for transmitting & distributing power or controlling electrical return circuit, which often contact with aromatic solvent. The cable has good features of chemical medicine resistance, oil proof; dissolvent corrosive resistance, magnetic field proof and static interfere. The cable can be laid underground or be laid in pipe.

Refer to GB/T9330-2008 or GB/T12706-2008 standard.

Working condition

Rated voltage U_0/U is $0.6/1kV$.
Long-term working temperature of cable conductor is $90^{\circ}C$.
When installing cables, min bending radius is more than $25D$ for single core cable; more than $20D$ for multi-core cable.(D means outer diameter of cable)
Environment temperature for installation is no less than $0^{\circ}C$.

Type & Name

电缆型号 Cable type		电缆名称cable name
铜芯 Copper core	铝芯 Aluminum core	
LH-YJA	LH-YJLA	铜芯或铝芯交联聚乙烯绝缘涂塑铝带粘接护套具有屏蔽和耐化学品功能的电力电缆 Power cable with copper core or aluminum core, XLPE insulation, plastic coated aluminum tape, bonded jacket, shielding, chemical medicine resistance
LH-YJA23	LH-YJLA23	铜芯或铝芯交联聚乙烯绝缘涂塑铝带粘接内护套镀锌钢带铠装聚乙烯外护套具有屏蔽和耐化学品功能的电力电缆 Power cable with copper core or aluminum core, XLPE insulation, plastic coated aluminum tape, bonded inner jacket, galvanized steel tape armoring, PE outer sheath, shielding, chemical medicine resistance
LH-KYJA	/	铜芯交联聚乙烯绝缘涂塑铝带粘接护套具有屏蔽和耐化学品功能的控制电缆 Control cable with copper core, XLPE insulation, plastic coated aluminum tape, bonded jacket, shielding, chemical medicine resistance
LH-KYJA23	/	铜芯交联聚乙烯绝缘涂塑铝带粘接内护套镀锌钢带铠装聚乙烯外护套具有屏蔽和耐化学品功能的控制电缆 Control cable with copper core, XLPE insulation, plastic coated aluminum tape, bonded inner jacket, galvanized steel tape armoring, PE outer sheath, shielding, chemical medicine resistance

五、规格

specification

电缆型号cable type	芯数core number	导体标称截面 (mm ²) Nominal cross section area of conductor
LH-YJA、LH-YJLA LH-YJA23、LH-YJLA23	1	2.5~300
	2	
	3	
	4	2.5~185
	5	
	3+1	4~300
	3+2	4~185
	4+1	4~240

电缆型号cable type	导体标称截面 (mm ²) Nominal cross section area of conductor				
	0.75、1.0	1.5	2.5	4	6、10
	芯数core number				
LH-KYJA	2~61		2~37	2~14	2~10
LH-KYJA23	6~61	4~61	4~37	4~14	4~10

六、产品特点

- 1、本产品耐药品性和抑制药品透过性能较好，仅次于全封闭金属护套，且相比之下电缆外径小，重量轻，可弯曲性能好。
- 2、由于屏蔽层采用纵包结构，因此电缆的屏蔽效果优于绕包结构的电缆。
- 3、金属屏蔽和铠装层内侧均配有引流线，形成了全屏蔽结构。引流线不仅有利于电缆接地处理，而且可确保屏蔽层的连续性。

product characteristic

The cable has good feature of medicine resistance, medicine permeation resistance. It is only inferior to full enclosure metal sheath. By comparison, it also has feature of small cable OD, light weight and good bending performance.

Compared with wrapping structure of cable, shielding effect of cable with vertical wrapping structure as shielding layer is much better.

Both metal shielding and armoring layer inner side have drain wire, which helps to form full shielding structure. Drain wire no only is good for cable earthing, but also is good for ensuring continuity of shielding layer.

七、交货长度

- 1、电缆根据双方的协议长度交货。
- 2、长度计量误差不超过±0.5%。

delivery length

Delivery length of cable depends on both agreement with length error allowance of ±0.5%.