

低烟低卤阻燃控制电缆

Control Cable with Low smoke, Low halogen and Flame retardant

本产品适用于额定电压450/750V及以下有低烟、低卤阻燃要求作为控制监控回路等场合使用。

It is used for supervising and controlling return circuit of rated voltage 450/750V or lower with demand on low smoke, low halogen and flame retardance.

一、生产执行标准

采用企业标准及参照GB9330-2008。

Executive standard

According to Enterprise standard and GB9330-2008 standard.

二、使用特性

1、额定电压:U0/U为450/750V ;
2、电缆长期允许工作温度70℃ ;
3、电缆敷设温度应不低于0℃ ,推荐弯曲半径 :有铠装和铜带屏蔽结构的电缆 :其弯曲半径不小于电缆外径的12倍 ;
其它结构的电缆 :其弯曲半径不小于电缆外径的6倍。

Operational performance

1.Rated voltage: U0/U for 450/750V.
2.Long-term working temperature allowed by cable is 70℃.
3.Ambient temperature for installing cable shall be no lower than 0℃.Recommended bending radius:It shall be no less than 12 times that of cable O.D for armored cable with copper tape shielding structure and 6 times that of cable O.D for cable with other structure.

三、电缆的型号名称

1、电缆型号名称如表1 :

Type and Description

Type and Description in table 1

Table 1

型号 Type	名称 Description
DDZ-KVV	铜芯低烟低卤阻燃型聚氯乙烯绝缘、护套控制电缆 Control cable with Cu core, low smoke & halogen, flame retardant, PVC insulation and sheath
DDZ-KVVP	铜芯低烟低卤阻燃型聚氯乙烯绝缘、护套铜丝编织屏蔽控制电缆 Control cable with Cu core, low smoke & halogen, flame retardant, PVC insulation and sheath, copper
DDZ-KVVR	铜芯低烟低卤阻燃型聚氯乙烯绝缘、护套控制软电缆 Control soft cable with Cu core, low smoke & halogen, flame retardant, PVC insulation and sheath
DDZ-KVVRP	铜芯低烟低卤阻燃型聚氯乙烯绝缘、护套铜丝编织屏蔽控制软电缆 Control flexible cable cable with Cu core, low smoke & halogen, flame retardant, PVC insulation and sheath, copper
DDZ-KVVP2	铜芯低烟低卤阻燃型聚氯乙烯绝缘、护套铜带绕包屏蔽控制电缆 Control cable with Cu core, low smoke & halogen, flame retardant, PVC insulation and sheath, Copper wire wrapped shielding
DDZ-KVVP22	铜芯低烟低卤阻燃型聚氯乙烯绝缘、护套钢带铠装控制电缆 Control cable with Cu core, low smoke & halogen, flame retardant, PVC insulation and sheath, steel tape armoring
DDZ-KVVP32	铜芯低烟低卤阻燃型聚氯乙烯绝缘、护套钢丝铠装控制电缆 Control cable with Cu core, low smoke & halogen, flame retardant, PVC insulation and sheath, steel wire armor

注 : 型号中 'DDZ' 表示低烟低卤阻燃型。

Remark: 'DDZ' means low smoke & halogen, flame retardant

2、主要名词术语解释

低烟 : 在规定试验条件下 , 试样受热分解或燃烧释放出的烟比较少 , 符合规定的指标特性。

低卤 : 在规定试验条件下 , 试样燃烧时放出的卤化氢气体的含量比较少 , 符合规定指标的特性。

阻燃 : 在一定的试验条件下 , 试样被燃烧 , 在撤去火源后 , 火焰的蔓延仅在规定的范围内 , 残焰或残灼在规定的时间内能自行熄灭的特性。

Explanation of Main Noun Term

Low smoke: Cable sample discharges little smoke when be heated or be burn under stipulated test condition, meeting the requirement of stipulated target.

Low halogen: Under stipulated test condition, the amount of hydrogen halide gas released during the sample combustion is very small, which meeting the requirement of stipulated target.

Flame retardant: under stipulated testing conditions, the tested sample is fired. After removing from source, the spreads flame is within the prescribed limits, remnant flame will go out on itself within stipulated time.

四、电缆规格范围如

Specification Scope

型号 Type	额定电压 V Rated voltage	导体标称截面 mm ² Nominal cross section of conductor area							
		0.5	0.75	1.0	1.5	2.5	4	6	10
		芯数 Core number							
DDZ-KVV DDZ-KVVP	450/750	2~61					2~37	2~14	
DDZ-KVVP2 DDZ-KVVP22 DDZ-KVVP32		4~61					2~37		
DDZ-KVVR DDZ-KVVRP		2~61					2~37		

五、主要技术指标

Main Technical Indices

- 20℃时导体直流电阻值应符合GB/T3956标准要求；
- 成品电缆应经受交流3000V/5min电压试验。

- Conductor DC resistance value at 20 °C shall meet requirements of GB/T3956 standard.
- The finished cable shall bear A.C. voltage test of 3000V for 5min.

标称截面 mm ² Nominal cross section area	导体结构根数/直径 mm Number of conductor/diameter	20℃导体直流电阻(Ω/km) Conductor DC resistance at 20℃		耐电压强度 Voltage withstanding stress
		不镀锡 Non tinned	镀锡 Tinned	
0.5	1/0.8	36.0	36.7	3kV/5min绝缘无击穿 Insulation without puncture
	7/0.30	36.0	36.7	
	16/0.20	39.0	40.1	
0.75	1/0.97	24.5	24.8	
	7/0.37	24.5	24.8	
	24/0.20	26.0	26.7	
1.0	1/1.13	18.1	18.2	
	7/0.43	18.1	18.2	
	32/0.20	19.5	20.0	
1.5	1/1.38	12.1	12.2	
	7/0.52	12.1	12.2	
	30/0.25	13.3	13.7	
2.5	1/1.78	7.41	7.56	
	7/0.68	7.41	7.56	
	49/0.25	7.98	8.21	
4	1/2.25	4.61	4.70	
	7/0.85	4.61	4.70	
	56/0.30	4.95	5.09	
6	1/2.76	3.08	3.11	
	7/1.04	3.08	3.11	
	84/0.30	3.30	3.39	
10	7/1.35	1.83	1.84	

- 3、电缆的外形尺寸参照聚氯乙烯绝缘和护套控制电缆。

External Dimension of Cable Please refer to control cable with PVC insulation and sheath.

六、交货长度

根据双方协议允许任何长度交货；长度计量误差不超过±0.5%。

Delivery length

Delivery length of cable depends on both agree-ments with length error allowance of ±0.5%.