

硅橡胶(阻燃)电力电缆

Power Cable with Silicon Rubber Insulation

本产品适用于额定电压0.6/1kV及以下的高温范围和恶劣环境内, 作电气设备电能传输线。它具有优良的耐高温、阻燃、耐辐射、耐老化、耐臭氧、防水等特性, 并具有很好的耐寒性、耐候性。

一、生产执行标准: Q/TK08.2-2010。

二、使用特性

- 1、额定电压UO/U:600/1000V。
- 2、电缆允许工作温度范围-60℃~+180℃。
- 3、短路时(最长持续间不超过5S)电缆导体的最高温度不超过250℃。
- 4、电缆敷设温度应不低于-20℃。
- 5、电缆的弯曲半径如下: 单芯电缆弯曲半径不小于电缆外径的15D; (D-电缆外径);
三芯电缆弯曲半径不小于电缆外径的12D。

三、电缆型号名称 Type and Description

1、电缆型号名称如表1Type and Description Listed in the Following Table

Table 1

型 号 Type	名 称 Description
GG	硅橡胶绝缘硅橡胶护套电力电缆 power cable with silicon rubber insulation and sheath
GG22	硅橡胶绝缘硅橡胶护套钢带铠装电力电缆 power cable with silicon rubber insulation and sheath, steel tape armor

注: 阻燃型应在表中型号前加“ZA、ZB、ZC、ZD”。

NOTE: add prefix“ZA,ZB,ZC,ZD” to type in table for indication of flame resistance

五、技术参数

- 1、成品电缆导体20℃时直流电阻: 应满足GB/T3956标准要求,
- 2、成品电缆应经受工频交流试验电压3000V、5min电压试验, 绝缘无击穿。

六、交货长度

允许根据双方协议长度交货; 长度计量误差不超过±0.5%。

It is used as power transmission cable of electric equipments of rated voltage 0.6/1kv or lower in bad environment or that with high temperature. It has good features of high temperature resistance, flame resistance, radiation resistance, aging resistance, ozone resistance, water proof, freezing resistance, weather resistance etc.

Executive standard: Q/TK08.2-2010

Performance for Usage

- 1: Rated voltage UO/U:600/1000V
- 2: Working temperature allowed by cable is -60℃~+180℃.
- 3: Max temperature of cable conductor is no more than 250℃ during short circuit(The longest lasting time is no more than 5s.)
- 4: Temperature for installing is no less than -20℃.
- 5: Bending radius of cable as follows:
It is no less than 15 times that of cable outer diameter for cable with single core
It is no less than 12 times that of cable outer diameter for cable with three cores

四、规格范围Specification

电缆规格用导体芯数×导体标称截面mm²表示, 如表2:

“core number * nominal cross section area” stands for cable specification. Please see the following table 2

Table 2

型 号 Type	芯 数 Core number	标称截面 mm ² Nominal cross section area	导体种类 Type of conductor
GG	1、2、3、 4、5、 3+2、3+1	单芯: 1.5~300 多芯: 1.5~240	5类导体 class 5 conductor
GG22		1.5~500 for single core 1.5~240 for multi-core	

Technical parameter

- 1: DC resistance of finished cable conductor at 20℃ shall meet the requirement of GB/T3956 standard.
- 2: Finished cable shall bear A.C voltage test of 3500V under power frequency for 5 minutes without puncture of insulation.

Delivery Length

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