

硅橡胶绝缘（阻燃）电力电缆

(Flame retardant)Power cable with Silicon 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

TICW4-2009、JB/T 13106-2017及企业标准。

二、使用特性

- 1、额定电压 U_0/U ：0.6/1kV；
- 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350℃；
- 4、电缆敷设温度应不低于-20℃；
- 5、有铠装或屏蔽结构的电缆弯曲半径不小于电缆外径的12倍，无铠装或屏蔽结构的电缆弯曲半径不小于电缆外径的6倍。

三、电缆型号名称

型号 Type	名称 Description
GG (YGC)	硅橡胶绝缘硅橡胶护套电力电缆 Power cable with silicon rubber insulation and sheath
GG2G	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
GG3G	硅橡胶绝缘硅橡胶护套细钢丝铠装电力电缆 Power cable with silicon rubber insulation and sheath, fine wire armor

注：1、阻燃型应在表中型号前加“ZA、ZB、ZC、ZD”。
2、单芯电缆应选用非磁性材料。

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

TICW4-2009、JB/T 13106-2017 and Enterprise standard.

Operational performance

- 1.Rated voltage U_0/U :0.6/1kV.
- 2.Working temperature allowed by cable is -60℃ ~ +180℃.
- 3.Max temperature of cable conductor is no more than 350℃ 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 with armouring or shielding structure is no less than12 times of cable outer diameter, for cable without armouring or shielding structure, bending radius is no less than 6 times of cable outer diameter.

Type and Description

Note:1.The flame retardant type should be added "ZA,ZB,ZC,ZD" before the type in the table.
2.Single core cables shall be made of non-magnetic materials.

四、电缆规格

电缆规格用导体芯数×导体标称截面mm²表示。

Specication

"core number*nominal cross section area" stands for cable specication.

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 (YGC)	2、3、4、5、3+2、3+1、4+1	单芯：1.5~300 多芯：1.5~240	5类导体 Category 5 conductor
GG2G, GG3G		1.5~500 for single core 1.5~240 for multi-core	

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3500V/5min电压试验，绝缘无击穿。

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.

六、交货长度

- 1、根据双方协议，允许任何长度的电缆交货；
- 2、长度计量误差不超过±0.5%。

Delivery Length

- 1.Delivery length of cable depends on both agree-ments.
- 2.The measurement error of lenth is no more than ±0.5%.