

硅橡胶绝缘（阻燃）扁电力电缆

(Flame retardant)Flat power cable with Silicon insulation

该电缆广泛应用于起重、运输、机械、电气、钢铁、医药、冶金、港口、矿山、物流、仓储等行业的0.6/1kV及以下各种移动动力装置的电源连接及控制、信号、照明等。

It is used as power connection & controlling & signal & lighting of various moving power equipment, in the field of lifting, transportation, machine, electronic, steel, medicine, metallurgy, port, mine and storage etc.

一、生产执行标准

JB/T 13107-2017及企业标准。

Executive standard

JB/T 13107-2017 and Enterprise standard.

二、使用特性

- 1、额定电压：U₀/U为0.6/1kV；
- 2、电缆允许工作温度范围：
硅橡胶绝缘-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、电缆最小弯曲半径为电缆短轴长度的10倍。

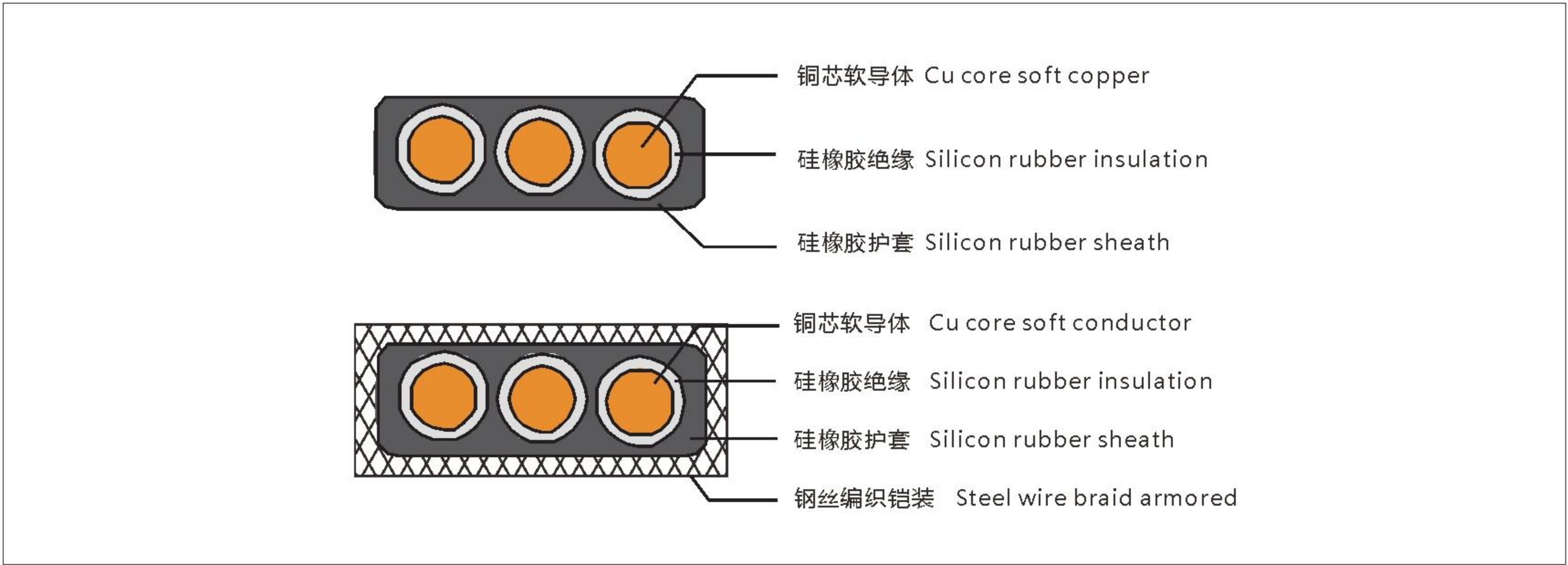
Operational performance

- 1.Rated voltage U₀/U:0.6/1kV
- 2.Working temperature allowed by cable
-60℃ ~ +180℃ for cable with silicon rubber insulation.
- 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 lower than -20℃.
- 5.Min. bending radius of cable is 10 times that of small border length of cable.

三、电缆型号名称

Type and Description

型号 Type	名称 Description
(ZR)-YGGB	硅橡胶绝缘硅橡胶护套（阻燃）扁电力电缆 (Flame retardant)Flat power cable with silicon rubber insulation and sheath
GGB90	硅橡胶绝缘硅橡胶护套（阻燃）钢丝编织铠装扁电力电缆 (Flame retardant)Flat power cable with silicon rubber insulation and sheath,steel wire braid armored



四、主要性能参数

Main Performance Parameter

1、在20℃时导体直流电阻

DC resistance of conductor at 20℃

截面 mm ² Cross section area	0.75	1	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
R ₂₀ (Ω/km)	26.0	19.5	13.3	7.98	4.95	3.30	1.91	1.21	0.780	0.554	0.386	0.272	0.206	0.161	0.129	0.106	0.0801

2、规格及参考数据如下表规定：

Specification and data for reference stipulated in the following table:

标称截面 mm ² Nominal cross section area	绝缘厚度 mm Insulation thickness	护套厚度 mm Sheath thickness	间距 mm Space	电缆（参考）外径 mm Cable OD	（参考）重量 (kg) Weight
4×1.0	0.8	1.6	1.0	17.8×6.1	225
6×1.0	0.8	1.6	1.0	25.6×6.1	345
8×1.0	0.8	1.6	1.0	33.4×6.1	360
4×1.5	1.0	1.6	1.0	20.5×6.8	291
6×1.5	1.0	1.6	1.0	29.6×6.8	360
8×1.5	1.0	1.6	1.0	38.8×6.8	469
4×2.5	1.0	1.6	1.5	24.5×8.1	333
6×2.5	1.0	1.6	1.5	37×8.1	536
8×2.5	1.0	1.6	1.5	48.1×8.1	608
4×4	1.0	1.7	1.7	30.5×8.4	457
6×4	1.0	1.7	1.7	44×8.4	790
4×6	1.0	1.9	2.0	33.8×9.5	615
6×6	1.0	1.9	2.0	48.8×9.5	1098
3×10	1.0	2.4	2.4	31.7×11.5	702
6×10	1.0	2.4	2.4	59.8×11.5	1428
3×25	1.2	2.7	2.8	41.8×15	1645
6×25	1.2	2.7	2.8	79.5×15	3325
4×35	1.2	3.0	3.0	48.5×16.7	2181
3×50	1.4	3.1	3.4	55×19.2	2681
4×50	1.4	3.1	3.4	70.4×19.2	3158
3×70	1.4	3.3	3.8	59.1×22.9	2878
3×120	1.6	3.7	4.2	74.8×30.4	5157
3×150	1.8	4.1	4.4	80.2×32.6	6171

3、成品电缆线芯的电压试验

成品电缆的电压试验应经受交流50Hz，试验电压3500V、5min，绝缘无击穿。

Voltage test of Finished Cable Conductor

Finished cable shall bear voltage test of 3500V,AC 50Hz for 5 minutes without puncture of insulation.

五、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%.