

通用橡套软电缆

Soft Rubber Sheath Cable for General Purpose

本产品适用于交流额定电压450/750V及以下的家用电器、电动工具和各种移动电气设备。

It is used for household electrical appliance, electrical tools and various mobile electrical equipments of AC rated voltage 450/750V or lower.

一、生产执行标准 GB/T5013-2008。

Executive standard: GB/T5013-2008

二、使用特性

Working Condition

1、额定电压:YZ、YZW型为300/500V、YC、YCW型为450/750V。

1: Rated voltage 300/500V for YZ type and 450/750V for YC type

2、电缆允许工作温度应不超过65℃。

2: Working temperature allowed by cable is no higher than 65℃.

三、型号及名称及主要用途如表1

Type, Description and Main Application in Table 1

Table 1

型号 Type	名称 Description	主要用途 Main application
YZ	普通强度橡套软线 General type rubber sheath soft cable	用于各种移动电器设备和工具 For various mobile electric devices and tools
YZW	普通氯丁或其他相当的合成弹性橡套软线	用于各种移动电器设备和工具 For various mobile electric devices and tools
YCW	重型氯丁或其他相当的合成弹性体橡套软电缆 Heavy type rubber sheath soft cable	用于各种移动电器设备,能承受较大的机械外力作用 For various mobile electric devices and tools. It could bear strong mechanical force from outside
YH	橡套电焊机电缆 Crude rubber electric welding machine cable	主要用作电焊机焊接线用 It is used as jointing line of electric welding machine
YHF	氯丁或其他相当的合成弹性体橡套电焊机电缆 neoprene electric welding machine cable	

四、规格范围如表2

Specification Range in Table 2

Table 2

型号 Type	额定电压V Rated voltage	芯数 Core number	标称截面mm ² Nominal cross section area
YZ、YZW	300/500	2, 3, 4, 5	0.75~2.5
YC、YCW	450/750	1	1.5~240
		2	1~25
		3	1~95
		4	1~150
		5	1~25
YH、YHF	--	1	16~95

五、规格尺寸及技术参数如下表

Specification, Size and Technical Parameter in Table 3

Table 3 YZ, YZW 300/500V

标称截面mm ² Nominal cross section area	导体结构 Conductor structure	20℃导体电阻≤Ω/km Conductor resistance at 20℃	电缆外径参考 Cable OD for reference			
	根/单线直径 Pieces/diameter of single piece		2芯 cores	3芯 cores	4芯 cores	5芯 cores
0.75	24/0.20	26.0	5.7~7.4	6.2~8.1	6.8~8.8	7.6~9.9
1.0	32/0.20	19.5	6.1~8.0	6.5~8.5	7.1~9.3	8.0~10.3
1.5	30/0.25	13.3	7.6~9.8	8.0~10.4	9.0~11.6	9.8~12.7
2.5	49/0.25	7.98	9.0~11.6	9.6~12.4	10.7~13.8	11.9~15.3

Table 4 YC, YCW 450/750V

标称截面 mm ² Nominal cross section area	导体结构Conductor structure	20℃导体电阻≤Ω/km Conductor resistance at 20℃	电缆外径参考值 (mm) Cable OD for reference				
	根/单线直径mm Pieces/diameter of single piece		1芯 core	2芯 cores	3芯 cores	4芯 cores	5芯 cores
1.0	32/0.20	19.5	--	7.7~10.0	8.3~10.7	9.2~11.9	10.2~13.1
1.5	30/0.25	13.3	5.7~7.1	8.5~11.0	9.2~11.9	10.2~13.1	11.2~14.4
2.5	49/0.25	7.98	6.3~7.9	10.2~13.1	10.9~14.0	12.1~15.5	13.3~17.0
4	81/0.25	4.95	7.2~9.0	11.8~15.1	12.7~16.2	14.0~17.9	15.6~19.9
6	122/0.25	3.30	7.9~9.8	13.1~16.8	14.1~18.0	15.7~20.0	17.5~22.2
10	77/0.41	1.91	9.5~11.9	17.7~22.6	19.1~24.2	20.9~26.5	22.9~29.1
16	119/0.41	1.21	10.8~13.4	20.2~25.7	21.8~27.6	23.8~30.1	26.4~33.3
25	189/0.41	0.780	12.7~15.8	24.3~30.7	26.1~33.0	28.9~36.6	32.0~40.4
35	265/0.41	0.554	14.3~17.9	--	29.3~37.1	32.5~41.1	--
50	379/0.41	0.368	16.5~20.6	--	34.1~42.9	37.7~47.5	--
70	530/0.41	0.272	18.6~23.3	--	38.4~48.3	42.7~54.0	--
95	437/0.52	0.206	20.8~26.0	--	43.3~54.0	48.4~61.0	--
120	551/0.52	0.161	22.8~28.6	--	--	53.0~66.0	--
150	696/0.52	0.129	25.2~31.4	--	--	58.0~73.0	--
185	851/0.52	0.106	27.6~34.4	--	--	--	--
240	1073/0.52	0.0801	30.6~38.3	--	--	--	--

Table 5 YH, YHF

标称截面mm ² Nominal cross section area	导体结构Conductor structure	20℃导体电阻≤Ω/km Conductor resistance at 20℃		电缆外径参考 mm Cable OD for reference
	根/单线直径Pieces/ diameter of single piece	不镀锡 non tinned	镀锡 tinned	
16	509/0.20	1.16	1.19	11.5
25	796/0.20	0.758	0.780	13.0
35	1115/0.20	0.536	0.552	14.5
50	1592/0.20	0.379	0.390	17.0
70	2229/0.20	0.268	0.276	19.5
95	3025/0.20	0.198	0.204	22.0

六、交货要求

- 1、根据双方协议允许任何长度的电缆交货,长度误差为±0.5%。
- 2、用户对产品有阻燃特性要求,在合同中需另补充协议。

Delivery Length

- 1: Delivery length of cable depends on both agreements with length error allowance of ±0.5%
- 2: The additional agreement should be added according to customer's requirements on flame retardant performance.