

热塑性弹性体绝缘控制软电缆
Thermoplastic elastomer insulated and sheathed flexible control cable

产品用途

本产品适用于交流额定电压450/750V及以下动力、照明、电气装置、仪器仪表、电信设备中环境要求场所的固定布线及高位置固定布线。它具有重量轻、柔软、防水性好等特点，更加适用于复杂的工作环境和便于安装敷设。

使用特性

1. 交流额定电压：U₀/U 450/750V
2. 电缆导体的长期允许工作温度为90℃
3. 非铠装电缆的最小弯曲半径为电缆直径的6倍；铠装或屏蔽结构电缆的最小弯曲半径为电缆直径的8倍。

Application

The products are mainly used for AC rated voltage 450/750V and below, power, lighting, electrical installations, instrumentation, telecommunications equipment environmental requirements in place of fixed wiring and similar fixed cable. And has a light weight, soft, waterproof and good features, more suitable for complex work environment and easy to install laying.

Service property

1. The rated voltage U₀/U of the cable should be 450/750V.
2. Maximum allowed operating temperature of cable conductor should be 90°C.
3. Recommended allowable bending radius: For non-armored cable should be not less than 6 times outer diameter of the cable. For armored or copper tape shielded structure cable should be not less than 8 times outer diameter of the cable.

基本型号及名称 Type and description

型号 Type	名称 Description
KSS	热塑性弹性体绝缘弹性体护套控制电缆 Copper core elastomer insulated and sheathed control cable
KSSP	热塑性弹性体绝缘铜丝编织屏蔽弹性体护套控制电缆 Copper core elastomer insulated copper wire braided shielded elastomer sheathed control cable
KSSP2	热塑性弹性体绝缘铜带屏蔽弹性体护套控制电缆 Copper core elastomer insulated copper tape wrapped shielded elastomer sheathed control cable
KSSP3	热塑性弹性体绝缘铝塑复合屏蔽弹性体护套控制电缆 Copper core elastomer insulated aluminum polyester composite film wrapped shielded elastomer sheathed control cable
KSS24	热塑性弹性体绝缘铜丝编织屏蔽弹性体护套控制电缆 Copper core elastomer insulated steel wire armored elastomer sheathed control cable
KSSP24	热塑性弹性体绝缘铜丝编织屏蔽弹性体护套控制电缆 Copper core elastomer insulated copper wire braided shielded steel tape armored elastomer sheathed control cable
KSSP2-24	热塑性弹性体绝缘铜带屏蔽弹性体护套控制电缆 Copper core elastomer insulated copper tape wrapped shielded steel tape armored elastomer sheathed control cable
KSS34	热塑性弹性体绝缘铜丝编织屏蔽弹性体护套控制电缆 Copper core elastomer insulated steel wire armored elastomer sheathed control cable
KSSR	热塑性弹性体绝缘弹性体护套控制软电缆 Copper core elastomer insulated and sheathed flexible control cable
KSSRP	热塑性弹性体绝缘铜丝编织屏蔽弹性体护套控制软电缆 Copper core elastomer insulated copper wire braided shielded elastomer sheathed flexible control cable
KSUR	热塑性弹性体绝缘铜带屏蔽弹性体护套控制软电缆 Copper core elastomer insulated copper tape wrapped shielded elastomer sheathed flexible control cable
KSURP	热塑性弹性体绝缘铜丝编织屏蔽弹性体护套控制软电缆 Copper core elastomer insulated copper wire braided shielded and sheathed flexible control cable

代号名称和含义 Code and meaning

项目 Item	代号 Code	说明 Description
系列代号 Series coding	K	控制电缆 Control cable
燃烧特性 Burning characteristic	Z(A/B/C)	阻燃(A/B/C)级 Flame retardant grade (A/B/C)
	N	耐火 Fire resistant
导体 Conductor	—	第1种或第2种导体 Class 1 and 2 copper conductor
	R	第5种控制导体 Class 5 copper conductor
绝缘 Insulation	S	弹性体绝缘 Elastomer insulation
护套或内护套 Sheath or inner sheath	S	弹性体护套 Elastomer sheath
	U	聚氨酯弹性体护套 TPU sheath
屏蔽 Shield	P	铜丝编织屏蔽 Copper wire braided shield
	P2	铜带绕包屏蔽 Copper tape wrapped shield
	P3	铝塑复合带绕包屏蔽 Aluminum polyester composite film wrapped shielded
铠装 Armor	2	铜带铠装 Steel tape armor
	3	铜丝铠装 Steel wire armor
外护套 Outer sheath	4	弹性体护套 Elastomer sheath

基本电缆规格和结构参数 Cable specification and structural parameter

型号 Type	导体标称截面 mm ² Nominal cross section area of conductor				
	0.75	1.0	1.5	2.5	4
	芯数 Number of cores				
KSS KSSP	2~61			2~14	2~10
KSSP2 KSSP3	4~61			4~14	4~10
KSS24 KSSP24	7~61		4~61	4~14	4~10
KSSP2-24	7~61		4~61	4~14	4~10
KSS34	19~61		7~61	4~14	4~10

主要技术指标

1. 20℃时导体直流电阻符合GB/T3956规定
2. 20℃时绝缘电阻不小于500MΩ·km
3. 成品电缆经受交流2.0kV/5min电压试验不击穿

Main technical index

1. Conductor d.c. resistance at 20℃ complies with stipulations of GB/T3956
2. Insulation resistance at 20℃ should be not less than 500MΩ·km
3. Finished cable withstand AC 2.0kV for 5 minutes without puncture.

产品结构示意图 Structure diagram

