

煤矿用控制电缆

Control cables for coal mine

■ 执行标准

Q/321084KLA086

■ Executive standard

Q/321084KLA086

■ 使用特性

额定电压 U_0/U : 450/750V;

工作温度: 聚氯乙烯绝缘电缆不超过70℃;

交联聚乙烯绝缘电缆不超过90℃。

■ Operating characteristics

Rated voltage U_0/U : 450/750V

Working temperature:

For PVC insulated cables, it should not exceed 70℃;

For XLPE insulated cables, it should not exceed 90℃.

产品 (见表1) Products (refer to table 1)

产品主要技术指标 Main technical indexes of products

表1 table1

项目 Items		指标 Indexes															
20℃直 流电阻 DC resistance at 20℃ Ω/km	截面 Cross- section	0.5mm ²		0.75mm ²		1.0mm ²		1.5mm ²		2.5mm ²		4.0mm ²		6.0mm ²		10mm ²	
	镀层 Cover	不镀锡 Untinned	镀锡 Tinned	不镀锡 Untinned	镀锡 Tinned	不镀锡 Untinned	镀锡 Tinned	不镀锡 Untinned	镀锡 Tinned	不镀锡 Untinned	镀锡 Tinned	不镀锡 Untinned	镀锡 Tinned	不镀锡 Untinned	镀锡 Tinned	不镀锡 Untinned	镀锡 Tinned
	A、B类 A,B type	36.0	36.7	24.5	24.8	18.1	18.2	12.1	12.2	7.41	7.56	4.61	4.70	3.08	3.11	1.83	1.84
	R类 R type	39.0	40.1	26.0	26.7	19.5	20.0	13.3	13.7	7.98	8.21	-	-	-	-	-	-
试验电压 Test voltage	450/750V	3000V/5min															
绝缘电阻 Insulation resistance		符合国家标准（见表7-表11） Comply with national standard(see table 7-11)															
阻燃性能 Flame-retardant property		符合国家标准GB/T18380-2008 Comply with national standard GB/T18380-2008															

绝缘线芯标志:

Identification of insulated cores:

本厂可提供的色标有白、红、黑、黄、蓝、绿、橙、灰、棕、紫十种, 一般情况下, 本厂都是用数字标志区分。

Ten colors are available in our factory, which are white, red, grey, yellow, blue, green, orange, grey, brown, and purple, normally, numbers are used for marking.

交联性能指标 (见表2) Cross-linking indexes (refer to table 2)

表2 table2

项目 Items	单位 Unit	指标 Indexes	执行标准 Executive standard
空气温度 Air temperature	℃	200±3	GB/T 2951.5-2008
处理条件荷载时间 Time for managing conditional load	min	15	
机械应力 Mechanical stress	N/cm ²	20	
负载下伸长率最大 Max. elongation underload	%	175	
冷却后永久伸长率最大 Max. permanent elongation after cooling	%	15	

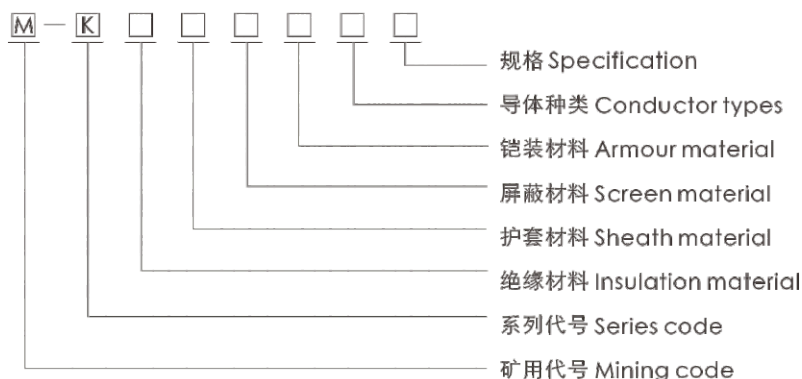
屏蔽控制电缆屏蔽抑制系数（见表3） Screening inhibition coefficient of screened control cables (refer to table 3) 表3 table3

型号 Types	MKVVP	MKVVP2	MKVVRP	MKVVRP2	MKVVP2-22	MKVVP3
屏蔽抑制系数 ≤ Screening inhibition coefficient	0.01	0.01	0.01	0.01	0.005	0.06

■ 型号及名称 Type and description

型号 Types	名称 Descriptions	主要适用场所 Main application occasions
MKVV	煤矿用聚氯乙烯绝缘聚氯乙烯护套控制电缆 PVC insulated and sheathed, control cable for coal mine	适用于煤矿中电缆沟、管道、一般用固定场合 Applicable for tunnels, pipelines and some fixed places for general use in coal mine
MKVVP	煤矿用聚氯乙烯绝缘聚氯乙烯护套铜丝编织屏蔽控制电缆 PVC insulated and sheathed, copper wire braided screened, control cable for coal mine	适用于煤矿中要求屏蔽的固定场合 Applicable for some fixed places requiring screen in coal mine
MKVVP2	煤矿用聚氯乙烯绝缘聚氯乙烯护套铜带屏蔽控制电缆 PVC insulated and sheathed, copper tape screened, control cable for coal mine	适用于煤矿中要求屏蔽的固定场合 Applicable for some fixed places requiring screen in coal mine
MKVVP22	煤矿用聚氯乙烯绝缘聚氯乙烯护套钢带铠装控制电缆 PVC insulated and sheathed, steel tape armored, control cable for coal mine	适用于煤矿中电缆沟、管道等需承受较大机械压力的固定场合，可直埋 Applicable for tunnels, pipelines and some fixed places which can bear certain mechanical forces, and can be directly buried in coal mine
MKVVP32	煤矿用聚氯乙烯绝缘聚氯乙烯护套细钢丝铠装控制电缆 PVC insulated and sheathed, thin steel wire armored, control cable for coal mine	适用于煤矿中电缆沟、管道、竖井需承受较大机械压力和机械拉力的固定场合，可直埋 Applicable for tunnels, pipelines, shaft and some fixed places which can bear certain mechanical force and mechanical pulling force, and can be directly buried in coal mine
MKVVR	煤矿用聚氯乙烯绝缘聚氯乙烯护套控制软电缆 PVC insulated and sheathed, flexible control cable for coal mine	适用于煤矿中移动使用、要求柔软的场所 Applicable for places requiring movable and flexible occasions in coal mine
MKVVRP	煤矿用聚氯乙烯绝缘聚氯乙烯护套铜丝编织屏蔽控制软电缆 PVC insulated and sheathed, copper wire braided screened, flexible control cable for coal mine	适用于煤矿中移动使用、要求柔软，且需屏蔽的场所 Applicable for places requiring movable, flexible and screen occasions in coal mine
MKYJV	煤矿用交联聚乙烯绝缘聚氯乙烯护套控制电缆 XLPE insulated, PVC sheathed, control cable for coal mine	适用于煤矿中电缆沟、管道、一般用固定场合 Applicable for tunnels, pipelines and some fixed places for general use in coal mine
MKYJVP	煤矿用交联聚乙烯绝缘聚氯乙烯护套铜丝编织屏蔽控制电缆 XLPE insulated, PVC sheathed, copper wire braided screened, control cable for coal mine	适用于煤矿中要求屏蔽的固定场合 Applicable for some fixed places requiring screen occasions in coal mine
MKYJVP2	煤矿用交联聚乙烯绝缘聚氯乙烯护套铜带屏蔽控制电缆 XLPE insulated, PVC sheathed, copper tape screened, control cable for coal mine	适用于煤矿中要求屏蔽的固定场合 Applicable for some fixed places requiring screen occasions in coal mine
MKYJV22	煤矿用交联聚乙烯绝缘聚氯乙烯护套钢带铠装控制电缆 XLPE insulated, PVC sheathed, steel tape armored, control cable for coal mine	适用于煤矿中电缆沟、管道等需承受较大机械压力的固定场合，可直埋 Applicable for tunnels, pipelines and some fixed places which can bear certain mechanical forces, and can be directly buried in coal mine
MKYJV32	煤矿用交联聚乙烯绝缘聚氯乙烯护套细钢丝铠装控制电缆 XLPE insulated, PVC sheathed, thin steel wire armored, control cable for coal mine	适用于煤矿中电缆沟、管道、竖井需承受较大机械压力和机械拉力的固定场合，可直埋 Applicable for tunnels, pipelines, shaft and some fixed places which can bear certain mechanical forces and mechanical pulling forces, and can be directly buried in coal mine
MKYJVR	煤矿用交联聚乙烯绝缘聚氯乙烯护套控制软电缆 XLPE insulated, PVC sheathed, flexible control cable for coal mine	适用于煤矿中移动使用、要求柔软的场所 Applicable for places requiring movable and flexible occasions in coal mine
MKYJVRP	煤矿用交联聚乙烯绝缘聚氯乙烯护套铜丝编织屏蔽控制软电缆 XLPE insulated, PVC sheathed, copper wire braided screened, flexible control cable for coal mine	适用于煤矿中移动使用、要求柔软，且需屏蔽的场所 Applicable for places requiring movable, flexible and screen occasions in coal mine

■ 型号说明 Type description



项目 Items	代号 Codes	说明 Descriptions
矿用代号 Mining code	M	矿用电缆 Mining cable
系列代号 Series code	K	控制电缆 Control cable
绝缘材料 Insulation material	V Y YJ	聚氯乙烯 PVC 聚乙烯 Polythene 交联聚乙烯 XLPE
护套材料 Sheath material	V	聚氯乙烯 PVC
屏蔽材料 Screen material	/ P P2	无屏蔽可省略 Non-screen can be omitted 铜丝编织 Copper wire braided 铜带 Copper tape
铠装材料 Armour material	22 32	钢带铠装 Steel tape armored 细钢丝铠装 Thin steel wire armored
导体种类 Conductor types	R	多股软导体 (A-单导体, B-七股绞合导体) Multi-stranded flexible conductor(A-single conductor, B-conductor stranded by 7 wires)
规格 Specification		填写芯数×导体截面 (N×S) Fill in core number × conductor cross section(N×S) 芯数N: 2、3、4、5.....61 Core number N: 2, 3, 4, 5.....61 截面S: 0.5、0.75、1.0、1.5、2.5、4、6、10mm ² Cross section S: 0.5, 0.75, 1.0, 1.5, 2.5, 4, 6, 10mm ²