

煤矿用额定电压1.8/3kV及以下聚氯乙烯绝缘阻燃电力电缆

Flame Retardant Power Cable with PVC insulation, rated voltage of 1.8/3kV or lower for Coal Mine

一、生产执行标准

MT818.12-2009《煤矿用电缆额定电压1.8/3kV及以下煤矿用聚氯乙烯绝缘电力电缆》。

Production standards

MT818.12-2009 "Copper core fixed installation flame retardant power cable of rated voltage 1.8/3kV or lower for coal mine application-part 2 PVC insulation power cable for coal mine application".

二、工作条件

- 1、电缆导体的允许最高工作温度为70℃；
- 2、短路时（最长持续时间不超过5秒）电缆导体的最高温度不超过160℃；
- 3、电缆敷设温度不低于0℃；
- 4、最小弯曲半径为电缆直径的15倍。

Operational performance

- 1.Max. working temperature of cable conductor is 70℃.
- 2.Max. temperature of cable conductor is no more than 160℃ during Short Circuit. (The maximum duration is no more than 5 seconds.)
- 3.Cable installation temperature is no less than 0℃.
- 4.Minimum bending radius for 15 times of cable diameter.

三、型号名称

Cable type & name

型号 Type	名称 Description
MVV	煤矿用聚氯乙烯绝缘聚氯乙烯护套电力电缆 PVC insulation PVC sheath power cable for MHYV
MVV22	煤矿用聚氯乙烯绝缘钢带铠装聚氯乙烯护套电力电缆 PVC insulation steel tape armoring PVC sheath power MHYV

四、生产范围

Manufacturing range

型号 Type	芯数 Core number	额定电压 kV Rated voltage	
		0.6/1	1.8/3
		标称截面 mm ² Nominal cross section	
MVV	3	1.5~300	10~300
MVV22	3	2.5~300	10~300
MVV	3+1	4~300	10~300
MVV22	3+1	4~300	10~300
MVV	4	4~185	4~185
MVV22	4	4~185	4~185

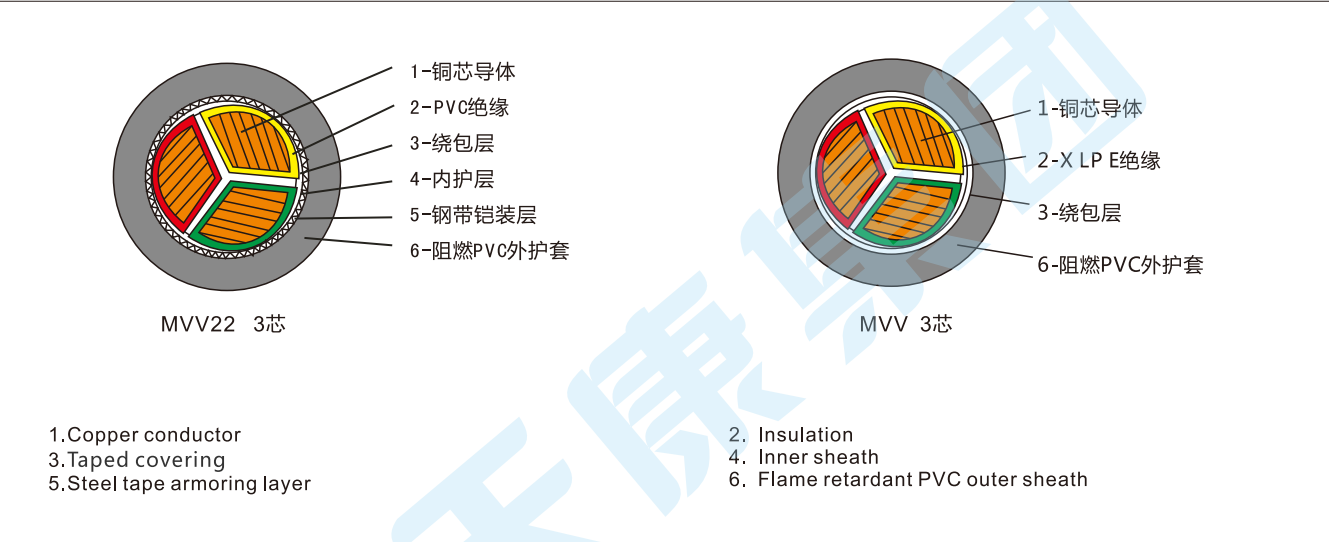
五、电缆绝缘标称厚度

Nominal thickness of cable insulation

导体标称截面 mm² Nominal cross section area of conductor	额定电压 kV Rated voltage		导体标称截面 mm² Nominal cross section area of conductor	额定电压 kV Rated voltage	
	0.6/1	1.8/3		0.6/1	1.8/3
	绝缘标称厚度 mm Insulation nominal thickness			绝缘标称厚度 mm Insulation nominal thickness	
1.5	0.8	/	50	1.4	2.2
2.5	0.8	/	70	1.4	2.2
4	1.0	/	95	1.6	2.2
6	1.0	/	120	1.6	2.2
10	1.0	2.2	150	1.8	2.2
16	1.0	2.2	185	2.0	2.2
25	1.2	2.2	240	2.2	2.2
35	1.2	2.2	300	2.4	2.4

六、产品结构示意图

The figure of cable structure



七、产品特色

- 1、具有优异的阻燃性能，满足煤矿用电缆特殊要求；
- 2、成品电缆的阻燃性能的试验方法和判定规则符合MT 386要求。

Product characteristic

- 1.The cable has good feature of flame resistance. It can meet special requirement of Coal mine used cable.
- 2.Flame retardant performance of finished cable shall meet all kinds of test requirement stipulated in MT386 standard.