

煤矿用额定电压10KV及以下铜芯固定敷设阻燃聚氯乙烯绝缘电力电缆 Copper core fixed installation flame retardant power cable with PVC insulation, rated voltage of 10kV or lower for Coal Mine Application

一、生产执行标准

MT818.12-1999《煤矿用额定电压10kV及以下铜芯固定敷设阻燃电力电缆第2部分, 煤矿用聚氯乙烯绝缘电力电缆》

Executive standard:

MT818.12-1999 "Copper core fixed installation flame retardant power cable of rated voltage 10kv 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250℃。
- 3、电缆敷设温度不低于0℃。

Working Condition

Max. working temperature of cable conductor is 70℃.
Max. temperature of cable conductor is no more than 250℃ during short circuit. (The longest lasting time is no more than 5 seconds.)
Cable installation temperature is no less than 0℃.

三、电缆型号名称

cable type & name

型号type	名称name
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 coal mine application
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 cable for coal mine application

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(mm²) nominal cross section area	
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

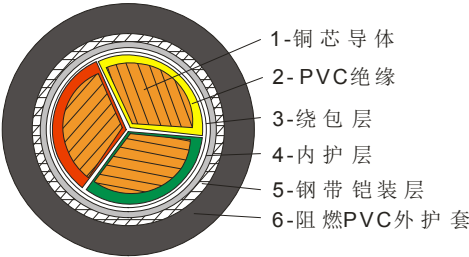
五、电缆绝缘标称厚度

Nominal thickness of cable insulation

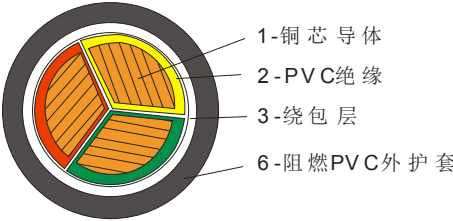
导体标称 截面(mm²) nominal cross section area of conductor	额定电压 (kV) rated voltage		导体标称截面(mm²) nominal cross section area of conductor	额定电压 (kV) rated voltage	
	0.6/1	1.8/3		0.6/1	1.8/3
	绝缘标称厚度 (mm) insulation nominal thickness			绝缘标称厚度 (mm) insulation nominal thickness	
1.5	0.8	--	50	1.4	2.2
2.5	0.8	--	70	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



MVV22 3芯



MVV 3芯

- 1. copper conductor
- 3. wrapping layer
- 5. steel tape armoring layer

- 2. PVC insulation
- 4. inner sheath
- 6. flame retardant PVC outer sheath

七、产品特色

product characteristic

- 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符合MT386各项试验要求。

The cable has good feature of flame resistance. It can meet special requirement of cable for coal mine application.

Flame retardant performance of finished cable shall meet all kinds of test requirement stipulated in MT386 standard.