MYJV42 8.7/10 kV Coal Mine Used XLPE Insulated Coarse Steel Wire Armored PVC Sheathed Power Cable

CABLE STRUCTURE:

Conductor:
Copper

Insulation:
XLPE

Shielding layer:
Copper tape shielding

Inner sheath:
PVC

Armor layer:
Coarse steel wire armoring

outer sheath:
PVC

SPECIFICATION RANGE:

Wire Core:
50- 300 mm²

STANDARD:
MT 818.13-2009

APPLICATION:
Suitable for fixed installation in power distribution networks with rated voltage of 10 kV or less, or in industrial installations.

CERTIFICATES:
Our series of mining products have undergone strict review by the National Coal Mine Safety Supervision Bureau and have obtained the Coal Mine Safety Mark Certification (MA Certification), providing a reliable guarantee for coal mine safety production.

TECHNICAL DATA:

Rated voltage:(U_0/U)
8.7/10 kV

Temperature classification:
The cable conductor is permitted to have a maximum long-term operating temperature not exceeding 90°C. During a short circuit (with the maximum duration not exceeding 5 seconds), the maximum temperature of the cable conductor does not exceed 250°C. When laying the cables on the ground, the ambient temperature during the laying process should not be lower than 0°C.

Min.Bending Radius:
3 core : 12(D+d)±5%

Finished product voltage test:
Wire core: 30.5kV / 5 minutes

Partial discharge:
1.73U_0 The discharge amount at this voltage is no more than 10 pC.z

Installation scenario:
It can be used in indoor environments, tunnels, cable trenches, or underground direct burial, in damp environments and areas with high groundwater levels. It can withstand certain mechanical external forces and certain tensile forces. Indoor, tunnels, cable trenches, shafts or underground direct burial, etc., can withstand mechanical external forces and certain tensile forces.

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Specifications

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Nominal cross-section	Conductor diameter	Insulation nominal thickness	Nominal thickness of the sheath	Outer diameter of the cable	Cable weight	Maximum direct current resistance of the conductor at 20℃	25℃ cable current carrying capacity	
mm2	mm	mm	mm	mm	km/kg	Ω/km	in ground(A)	in air(A)
50	8.3	4.5	2.9	64.6	8122	0.387	206	212
70	9.8	4.5	3	68.4	9247	0.268	251	264
95	11.5	4.5	3.1	72.1	10500	0.193	298	320
120	12.9	4.5	3.2	75.3	11624	0.153	336	365
150	14.5	4.5	3.3	79	13024	0.124	375	415
185	16	4.5	3.5	83.8	14758	0.0991	419	470
240	18.3	4.5	3.7	88.7	16951	0.0754	479	549