

No.1 Non armored steel tape armored steel wire armored

the picture is 0.6/1kV 4+1 core XLPE Insulated Power Cable

1) Equivalent IE **C 60502-1**, GB/T12706.1;
 2) **The maximum conductor operating temperature: 90** ; During short circuit (lasting less than 5 seconds) the maximum temperature of the cable conductor shall not be above 250 ; Environment temperature should be no lower than 0 for laying the cable.
 3) Application Occasion: To be laid indoors,in tunnel,cable furrow or pipe,the cable couldn't bear mechanical force outside.

Nominal Area mm2

	Non armored		steel tape armored		steel wire armored				
	Cu	AL	Cu	AL	Cu	AL			
4*6+1*4	16.4	465	289	19.6	673	496	/	/	/
4*16+1*10	22.4	992	528	25.5	1275	809	/	/	/
4*35+1*16	25.1	1751	777	27.7	2009	1035	31.9	2970	1997
4*70+1*35	32.9	3367	1402	37.1	4083	2117	40.9	5322	3357
4*120+1*70	41.2	5709	2277	45.2	6578	3146	50.7	8747	5316
4*185+1*95	49.8	8592	3382	53.8	9637	4427	60.3	12340	7215

power cable fire-proof

Fire-proof cable

NH-VV

PVC insulated PVC sheathed fire-proof power cable

Remarks:	Insulation thickness	Outer sheath thickness	Cable outer diameter	Cable weight	Max D.C. resistance	Test voltage	Min insulation resistance	Current rating
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Single core cables are used in alternating system, adopting aluminium tape armor

Example



1. Conductor
2. Fire-proof layer
3. Insulation
4. Filling
5. Wrapping tape
6. Outer sheath layer

5 core PVC insulated PVC sheathed fire-proof power cable

Nominal cross section Area of conductor

2.5	0.8	1.8	18.7	404	7.41	3.5	0.00611	30.5	24.3
6	1.0	1.8	22.3	658	3.08	3.5	0.00602	49.1	39.7
16	1.0	1.8	29.7	1308	1.15	3.5	0.00422	86.1	71.9
35	1.2	1.9	35.2	2475	0.524	3.5	0.00381	131.5	112.5
70	1.4	2.2	44.9	4422	0.268	3.5	0.00354	187.9	165.3
120	1.6	2.5	55.1	7275	0.153	3.5	0.00316	254.0	231.1

5 core PVC insulated steel tape armored PVC sheathed **fire-proof power cable**
 Nominal cross section Area of conductor
 Insulation thickness
 Steel tape armor thick.
 Outer sheath thickness
 Cable outer diameter
 Cable weight
 Max D.C. resistance
 Test voltage
 Min insulation resistance
 Current rating

2.5	0.8	2×0.2	1.8	20.5	651	7.41	3.5	0.00611	30.0	24.3
6	1.0	2×0.2	1.8	24.1	953	3.08	3.5	0.00602	48.4	39.7
16	1.0	2×0.2	1.8	29.7	2050	1.15	3.5	0.00422	85.0	72.3
35	1.2	2×0.2	2.0	37.2	3424	0.524	3.5	0.00381	130.0	113.1
70	1.4	2×0.5	2.3	48.7	5605	0.268	3.5	0.00354	185.6	165.7
120	1.6	2×0.5	2.6	58.9	8795	0.153	3.5	0.00316	250.6	230.4