

Main property Parameter

PVC insulation thickness

标称截面(mm²) Nominal Cross Section	额定电压（kV） Rated Voltage				标称截面(mm2) Nominal Cross Section	额定电压（kV） Rated Voltage			
	0.6/1	1.8/3	3.6/6	6/6 6/10		0.6/1	1.8/3	3.6/6	6/6 6/10
	绝缘标称厚度(mm)Nominal Insulation Thickness					绝缘标称厚度(mm)Nominal Insulation Thickness			
1.5	0.8	-	-	-	50	1.4	2.2	3.4	4.0
2.5	0.8	-	-	-	70	1.4	2.2	3.4	4.0
4	1.0	-	-	-	95	1.6	2.2	3.4	4.0
6	1.0	-	-	-	120	1.6	2.2	3.4	4.0
10	1.0	2.2	3.4	4.0	150	1.8	2.2	3.4	4.0
16	1.0	2.2	3.4	4.0	185	2.0	2.2	3.4	4.0
25	1.2	2.2	3.4	4.0	240	2.2	2.2	3.4	4.0
35	1.2	2.2	3.4	4.0	300	2.4	2.4	3.4	4.0

XPLE insulation thickness

标称截面(mm²) Nominal Cross Section	额定电压（kV） Rated Voltage					标称截面(mm²) Nominal Cross Section	额定电压（kV） Rated Voltage				
	0.6/1	1.8/3	3.6/6	6/6 6/10	8.7/10		0.6/1	1.8/3	3.6/6	6/6 6/10	8.7/10
	绝缘标称厚度(mm)Nominal Insulation Thickness						绝缘标称厚度(mm)Nominal Insulation Thickness				
1.5	0.7	-	-	-	-	50	1.0	2.0	2.5	3.4	4.5
2.5	0.7	-	-	-	-	70	1.1	2.0	2.5	3.4	4.5
4	0.7	-	-	-	-	95	1.1	2.0	2.5	3.4	4.5
6	0.7	-	-	-	-	120	1.2	2.0	2.5	3.4	4.5
10	0.7	2.0	2.5	-	-	150	1.4	2.0	2.5	3.4	4.5
16	0.7	2.0	2.5	3.4	-	185	1.6	2.0	2.5	3.4	4.5
25	0.9	2.0	2.5	3.4	4.5	240	1.7	2.0	2.5	3.4	4.5
35	0.9	2.0	2.5	3.4	4.5	300	1.8	2.0	2.5	3.4	4.5

Specification

DC resistance of conductor shall not exceed the following valued listed at 20℃

标称截面 mm ² Nominal Cross Section	最大直流电阻 Ω/km Max D.C. Resistance	标称截面 mm ² Nominal Cross Section	最大直流电阻 Ω/km Max D.C. Resistance
1.5	12.1	50	0.387
2.5	7.41	70	0.268
4	4.61	95	0.193
6	3.08	120	0.153
10	1.83	150	0.124
16	1.15	185	0.0991
25	0.727	240	0.0754
35	0.524	300	0.0601

Insulations have no breakdown when cables can withstand the following AC test listed

额定电压 U ₀ Rated Voltage	0.6	1.8	3.6	6	8.7
试验电压 kV Test voltage	3.5	6.5	11	15	22

- Cable insulation resistance constant: PVC insulation shall not exceed $36.7\text{M}\Omega \cdot \text{km}$ at 20°C , XLPE insulation shall not exceed $3.67\text{M}\Omega \cdot \text{km}$ at 90°C 。
- When $1.5 U_0$ voltage is applied, PVC insulated cables and the cable with more than 3.6kV rated voltage U_0 have partial discharge not higher than 40pC . When 1.5 voltage is applied, XLPE insulated cables and the cables with more than 1.8kV rated voltage U_0 have partial discharge not higher than 10pC .
- The flame retardant property of completed cables complies with the relevant standard in GB/T18380.3.