

CU/XLPE/CORRUGATED AL/PVC

Power Cable High Voltage(Power
Cable HV)



Application [48/66 ~ 127/220 kV] IEC60840

The cables are suitable for use in power transmission and distribution lines with rated power frequency voltage 48/66 ~ 127/220 kV. Longitudinal water blocking and PE sheath can be optional.

Conductor: Copper

Conductor Screen: Semi-conductive Compound

Insulation: XLPE

Insulation Screen: Semi-conductive Compound
Semi-conductive Tape

Metallic Sheath: Corrugated Aluminum Sheath
Outer Sheath: PVC

Section	Insulation Thickness	Metallic Sheath Thickness	Sheath Thickness	Overall Diameter	Cable Weight	Electrical Resistance
						DC.20°C
No.xmm ²	mm	mm	mm	mm	kg/km	C/km
48/66 kV						
1x185	14.5	2.0	4.0	68.3	5250	0.0991
1x240	14.5	2.0	4.0	76.7	5740	0.0754
1x300	14.5	2.0	4.0	79.1	6440	0.0601
1x400	14.5	2.0	4.0	82.3	7480	0.0470
1x500	14.5	2.0	4.0	85.9	8750	0.0366
1x630	14.5	2.0	4.0	85.9	10360	0.0283
1x800	14.5	2.0	4.0	94.3	12260	0.0221
1x800	14.5	2.0	4.0	96.4	13790	0.0221
1x1000	14.5	2.0	4.5	102.8	15470	0.0176
1x1200	14.5	2.0	4.5	106.2	17580	0.0151
1x1400	14.5	2.0	5.0	110.4	20110	0.0129
1x1600	14.5	2.0	5.0	114.8	22510	0.0113
1x2000	14.5	2.0	5.0	121.8	27050	0.0009
64/110 kV						
1x240	19.0	2.0	4.0	85.0	7750	0.0754
1x300	18.5	2.0	4.0	86.1	8360	0.0601
1x400	17.5	2.0	4.0	86.9	9120	0.0470
1x500	17.0	2.0	4.0	89.1	10260	0.0366
1x630	16.5	2.0	4.5	92.1	11750	0.0283
1x800	16.0	2.0	4.5	95.0	13520	0.0221
1x800	16.0	2.0	4.5	100.0	14320	0.0221
1x1000	16.0	2.3	4.5	105.4	16760	0.0176
1x1200	16.0	2.3	5.0	109.8	18900	0.0151
1x1400	16.0	2.3	5.0	114.0	21530	0.0129
1x1600	16.0	2.3	5.0	117.4	23930	0.0113
1x2000	16.0	2.3	5.0	124.4	27750	0.0009
127/220 kV						
1x300	27.0	2.4	5.0	112.5	10930	0.0601
1x400	27.0	2.4	5.0	118.0	11750	0.0470
1x500	27.0	2.4	5.0	121.2	12880	0.0366
1x630	26.0	2.4	5.0	123.0	14320	0.0283
1x800	25.0	2.4	5.0	124.9	15720	0.0221
1x800	16.0	2.0	4.5	100.0	14320	0.0221
1x1000	24.0	2.6	5.0	129.4	20500	0.0176
1x1200	24.0	2.6	5.0	132.6	22810	0.0151
1x1400	24.0	2.6	5.0	136.8	25450	0.0129
1x1600	24.0	2.6	5.0	140.6	28050	0.0113
1x2000	24.0	2.8	5.0	147.5	32210	0.0009