



## 600-1000V AL XLPE Power Cable



### Description :

Description	AL/XLPE/PVC POWER CABLE
Conductor:	Bare Aluminum Conductor of Class 1/2 (Solid)
Insulation:	XLPE Compound
Insulation Color	Red, Blue, Grey, Yellow/Green or as request
Sheath	PVC Compound
Sheath Color	Black
Temperature Range:	-20 -90°C
Nominal Voltage:	600/1000V
Test Voltage:	4000 V
Minimal Bending Radius:	15D for Single Core 12D for Multicore
Standard	GB/T12706.2-2008

### Application :

The cable is suitable for use in rated AC voltage (U0/U) 0.6/1kV system transmitting and distributing circuit. With the metal armored layer, it is suitable for mains, sub main and sub circuits unenclosed, in conduit, buried direct or in underground ducts for buildings and industrial plants where mechanical damage may occur. Used in electric power plants, transformer stations, industrial plants, metropolitan networks and in other electric plants, same as for connection of signaling devices in industry, traffic and similar.



## Technical Data :

Cores x cross-section	External diameter	Insulation thickness	Sheath thickness	Conductor resistance at 20 °C	Short circuit current 1s	Cu weight	Cable weight
	min - max.	nom.	nom.	max.	nom.		prib.
N x mm <sup>2</sup>	mm	mm	mm	Ω/km	kA	kg/km	kg/km
1 x 50	14 - 17	1,4	1,8	0,641	3,80	-	298
1 x 70	16 - 19	1,4	1,8	0,443	5,32	-	383
1 x 95	18 - 21	1,6	1,8	0,320	7,22	-	490
1 x 120	19 - 22	1,6	1,8	0,253	9,12	-	575
1 x 150	21 - 25	1,8	1,8	0,206	11,40	-	695
1 x 185	23 - 27	2,0	1,8	0,164	14,10	-	845
1 x 240	26 - 30	2,2	1,8	0,125	18,20	-	1100
1 x 300	28 - 32	2,4	1,9	0,100	22,80	-	1379
1 x 400	32 - 37	2,6	2,0	0,0778	27,20	-	1615
1 x 500	35 - 40	2,8	2,1	0,0605	34,00	-	2015
1 x 630	41 - 45	2,8	2,2	0,0469	42,84	-	2472
4 x 16	21 - 25	1,0	1,8	1,91	1,21	-	750
4 x 25	25 - 32	1,2	1,8	1,200	1,90	-	950
4 x 35	27 - 34	1,2	1,8	0,868	2,66	-	1141
4 x 50	29 - 36	1,4	1,9	0,641	3,80	-	1242
4 x 70	33 - 40	1,4	2,1	0,443	5,32	-	1631
4 x 95	38 - 45	1,6	2,2	0,320	7,22	-	2063
4 x 120	41 - 49	1,6	2,4	0,253	9,12	-	2538
4 x 150	46 - 54	1,8	2,5	0,206	11,40	-	3090
4 x 185	51 - 59	2,0	2,7	0,164	14,10	-	3838
4 x 240	57 - 65	2,2	2,9	0,125	18,20	-	4863
4 x 16+2,5	21,6	1,0	1,8	1,91	1,21	24	781



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4 x 25+2,5	28	1,2	1,8	1,200	1,90	24	981
4 x 35+2,5	31	1,2	1,8	0,868	2,66	24	1172
4 x 50+2,5	35	1,4	1,9	0,641	3,80	24	1273
4 x 70+2,5	38	1,4	2,1	0,443	5,32	24	1662
4 x 95+2,5	42	1,6	2,2	0,320	7,22	24	2094
4 x 120+2,5	46	1,6	2,4	0,253	9,12	24	2569
4 x 150+2,5	49	1,8	2,5	0,206	11,40	24	3121
4 x 185+2,5	54	2,0	2,7	0,164	14,10	24	3869
4 x 240+2,5	59	2,2	2,9	0,125	18,20	24	4894