

Aluminum Conductor PE/XLPE Insulated Aerial Bundled Cable

IEC 61502, Power cables with extruded insulation and their accessories for rated voltages from 1 kV up to 30 kV

Phase + Neutral									
Phase	Neutral	Phase				Neutral	Approx. Overall Diameter	Max. D.C. Resistance of Conductor at 20°C	
AAC+XLPE	AAAC	Compact Conductor		XLPE Insulation		Conductor		Phase	Neutral
No.X Normal Cross Section of Cores	No.X Normal Cross Section of Cores	No.of Al.Wire	Overall Dia.	Normal Thickness	Min.	No./Dia. of Al Alloy Wire			
No. X mm ²	No. X mm ²	-	mm	mm	mm	No./mm	mm	ohm/km	ohm/km
1 X 16	1 X 16	7	4.8	1.2	0.98	7/1.70	12.3	1.91	2.217
1 X 25	1 X 25	7	6	1.2	0.98	7/2.10	14.7	1.2	1.393
1 X 35	1 X 35	7	7	1.4	1.16	7/2.50	17.3	0.868	1.007
1 X 50	1 X 50	7	8.3	1.4	1.16	7/3.00	20.1	0.641	0.744
1 X 70	1 X 70	19	9.8	1.4	1.16	7/3.50	23.1	0.443	0.514
1 X 95	1 X 95	19	11.6	1.6	1.34	19/2.50	27.3	0.32	0.371
1 X 120	1 X 120	19	13	1.6	1.34	19/2.80	30.2	0.253	0.294
1 X 150	1 X 150	19	14.6	1.8	1.52	37/2.25	33.95	0.206	0.239
1 X 185	1 X 185	36	16.2	2	1.7	37/2.50	37.7	0.164	0.19
1 X 240	1 X 240	36	18.4	2.2	1.88	61/2.25	43.05	0.125	0.145
2 X 16	1 X 16	7	4.8	1.2	0.98	7/1.70	14.04	1.91	2.217
2 X 25	1 X 25	7	6	1.2	0.98	7/2.10	16.63	1.2	1.393
2 X 35	1 X 35	7	7	1.4	1.16	7/2.50	19.51	0.868	1.007
2 X 50	1 X 50	7	8.3	1.4	1.16	7/3.00	22.46	0.641	0.744
2 X 70	1 X 70	19	9.8	1.4	1.16	7/3.50	25.7	0.443	0.514
2 X 95	1 X 95	19	11.6	1.6	1.34	19/2.50	30.31	0.32	0.371
2 X 120	1 X 120	19	13	1.6	1.34	19/2.80	33.41	0.253	0.294
2 X 150	1 X 150	19	14.6	1.8	1.52	37/2.25	37.55	0.206	0.239
2 X 185	1 X 185	36	16.2	2	1.7	37/2.50	41.69	0.164	0.19
2 X 240	1 X 240	36	18.4	2.2	1.88	61/2.25	47.41	0.125	0.145
3 X 16	1 X 16	7	4.8	1.2	0.98	7/1.70	16.15	1.91	2.217
3 X 25	1 X 25	7	6	1.2	0.98	7/2.10	19.06	1.2	1.393
3 X 35	1 X 35	7	7	1.4	1.16	7/2.50	22.32	0.868	1.007
3 X 50	1 X 50	7	8.3	1.4	1.16	7/3.00	25.59	0.641	0.744
3 X 70	1 X 70	19	9.8	1.4	1.16	7/3.50	29.22	0.443	0.514
3 X 95	1 X 95	19	11.6	1.6	1.34	19/2.50	34.42	0.32	0.371
3 X 120	1 X 120	19	13	1.6	1.34	19/2.80	37.87	0.253	0.294
3 X 150	1 X 150	19	14.6	1.8	1.52	37/2.25	42.56	0.206	0.239
3 X 185	1 X 185	36	16.2	2	1.7	37/2.50	47.25	0.164	0.19
3 X 240	1 X 240	36	18.4	2.2	1.88	61/2.25	53.63	0.125	0.145