



10kV Single Core Insulated Overhead Cable Technical Data

Conductor	Nominal insulation thickness	Overall diameter	Maximum DC resistance at 20°C		Approx mass	
			Copper (ohm/km)	Aluminum (ohm/km)	Copper Conductor (kg/km)	Aluminum Conductor (kg/km)
Nominal section-area (mm)	XLPE/PE Insulation (mm)	(mm)				
1*10	3.4	11.6	1.906	3.08	177.9	116.1
1*16	3.4	12.7	/	1.91	244.4	145.5
1*25	3.4	14	0.749	1.2	340.3	185.6
1*35	3.4	15	0.54	0.868	441.3	224.8
1*50	3.4	16.3	0.399	0.641	590.7	281.4
1*70	3.4	17.1	0.267	0.443	790.9	357
1*95	3.4	19.9	0.199	0.32	1040	452.2
1*120	3.4	21.3	0.158	0.253	1288.5	538.1
1*150	3.4	22.9	0.128	0.206	1568.4	640.3
1*185	3.4	24.5	0.1021	0.164	1901	756.4
1*240	3.4	26.8	0.0777	0.125	2421	936.2
1*300	3.4	29	0.0619	0.1	2984.7	1128.6