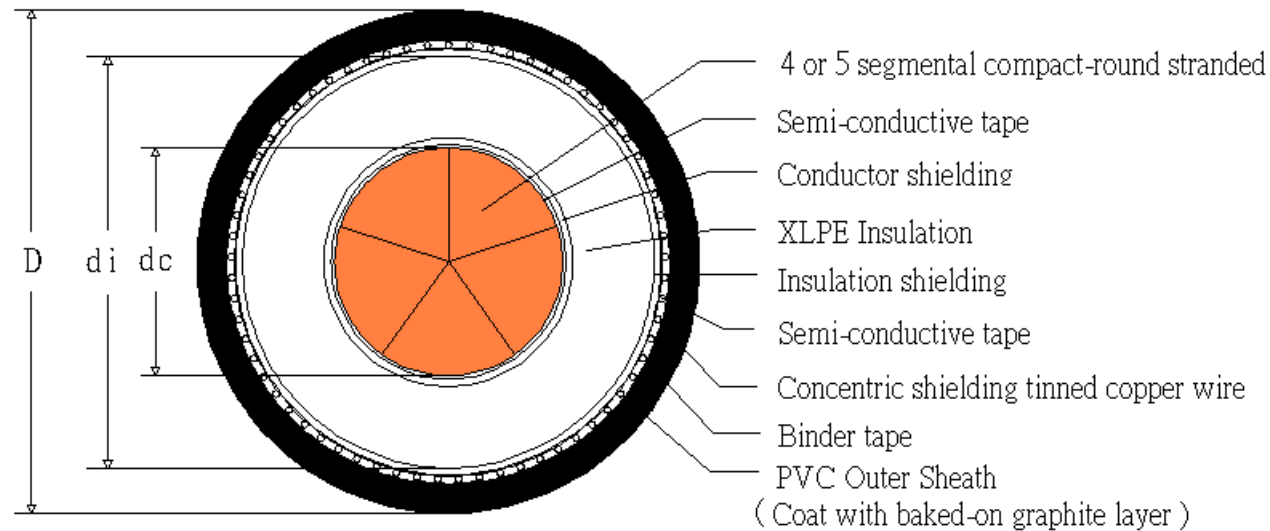


Specification of 69kV XLPE Underground Transmission Cable



Nominal Cross- Sectional Area	conductor			Thickness of semi- conductive tape	Thickness of conductor shielding	Thickness of insulation	Outside diameter of insulation (di)	Thickness of insulation shielding Avg.	Thickness of semi- conductive tape	Concentric shielding copper wires		Thickness Of Binder tape	Thickness Of PVC Sheath	Overall diameter (D) (tolerance +2.5 -1.5)	Max. D.C. Conductor resistance (20℃)	Insulation resistance (15.6℃)	Max. Static Electric capacitance	A.C. Voltage test	D.C. Voltage test									
	shape	Outer dimameter (dc)	Unit weight							NO.	Dia.																	
																				Avg.	Avg.	Avg.						
mm ²	----	mm	Kg/km	mm	mm	mm	mm	mm	mm	No.	mm	mm	mm	mm	Ω/km	MΩ.km	uF/kM	kV/Min.	kV/Min.									
100	Compact-round stranded	12.0±0.2	908	0.25	0.76	16.51	48.6+2.0	1.27	0.25	65	1.4	0.25	3.5	63.0	0.187	3000	0.13	130± 3% / 5Min.	260± 3% / 15Min.									
150		14.7±0.2	1390				51.3+2.0							65.5	0.124	2700	0.14											
200		17.0±0.3	1776				53.6+2.0							68.0	0.0933	2500	0.15											
250		19.0±0.3	2298				56.3+2.0							70.5	0.0754	2300	0.16											
325		21.7±0.3	2937				59.0+2.0							73.5	0.058	2200	0.17											
400		24.1±0.3	3654				61.4+2.0							76.0	0.0471	2000	0.18											
500		26.6±0.3	4448				64.2+2.0						4.0	79.5	0.0376	1900	0.19											
600		29.5±0.5	5466				66.8+2.0							82.5	0.0308	1800	0.21											
800	4 or 5 Seg. compact- round stranded	34.0±0.5	7100				72.2+2.0						4.5	88.5	0.0231	1600	0.23											
1000		38.0±0.5	8772				76.2+2.0							92.0	0.0187	1500	0.25											
1200		41.7±0.5	10512				79.9+2.0							96.5	0.0156	1400	0.26											
1400		45.0±0.7	12332				83.2+2.0							99.5	0.0133	1300	0.28											
1600		48.2±0.7	14020				86.4+2.0							103.0	0.0117	1200	0.29											



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Ta Ya Electric Wire & Cable Co., Ltd.