XLPE insulation corrugated aluminum sheath non-metallic outer sheath for rated voltage of 127/220kV

Structure Size and Performance Parameters

Conductor			Nominal Insulation Thickness mm	Aluminium sheath thickness mm	Non-metallic sheath thickness mm
Nominal cross-sectional area mm²	Shape	Approx.diameter mm			
400	Circular Compacted	23.1	27.0	2.4	5.0
500		26.4	27.0	2.4	5.0
630		30.1	26.0	2.4	5.0
800	Millikan Conductor	35.2	25.0	2.4	5.0
1000		39.5	24.0	2.0	5.0
1200		42.6	24.0	2.0	5.0
1400		46.0	24.0	2.6	5.0
1600		49.2	24.0	2.6	5.0
2000		54.4	24.0	2.8	5.0
2500		61.0	24.0	2.8	5.0

Structure Size and Performance Parameters

Approx. Overall diameter mm	Approx. Weight of completed cable Copper		Approx. Weight of completed cable Aluminium		Conductor D.C resistance at 20℃ Ω/km		Cable Capacity μ F/km
	YJLW02 YJLW02-Z	YJLW03 YJLW03-Z	YJLLW02 YJLLW02-Z	YJLLW03 YJLLW03-Z	Copper conductor	Aluminium conductor	
121.4	14459	13350	12117	11007	0.0470	0.0778	0.127
125.0	15967	14825	12958	11812	0.0366	0.0605	1.137
126.7	17402	16244	13493	12333	0.0283	0.0469	0.151
132.4	19736	18524	14617	13404	0.0221	0.0367	0.171
135.1	21827	20589	15578	14340	0.0176	0.0291	0.189
138.2	23924	22656	16531	15263	0.0151	0.0247	0.198
141.6	26191	24891	17560	16260	0.0129	0.0212	0.208
145.8	28570	27239	18609	17278	0.0113	0.0186	0.218
151.4	33042	31649	20669	19305	0.0090	0.0149	0.233
158.0	38455	36999	23018	21563	0.0072	0.0127	0.253