

**XLPE insulation corrugated aluminum sheath non-metallic outer sheath for rated voltage of 50/66kV**
**Structure Size and Performance Parameters**

Conductor			Nominal Insulation Thickness mm	Aluminium sheath thickness mm	Non-metallic sheath thickness mm
Nominal cross-sectional area mm <sup>2</sup>	Shape	Approx. diameter mm			
240	Circular compacted	18.3	14.0	2.0	4.0
300		20.6	14.0	2.0	4.0
400		23.1	14.0	2.0	4.0
500		26.4	14.0	2.0	4.0
630		30.1	14.0	2.0	4.0
800	Millikan conductor	35.2	14.0	2.0	4.0
1000		39.5	14.0	2.3	4.0
1200		42.6	14.0	2.3	4.0
1400		46.0	14.0	2.3	4.0
1600		49.2	14.0	2.3	4.0

**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°C  $\Omega/\text{km}$		Cable Capacity $\mu\text{ F/km}$
	YJLW02 YJLW02-Z	YJLW03 YJLW03-Z	YJLLW02 YJLLW02-Z	YJLLW03 YJLLW03-Z	Copper conductor	Aluminium conductor	
81.0	7308	6721	5819	5233	0.0754	0.125	0.169
83.3	8078	7473	6213	5609	0.0601	0.100	0.181
85.8	9077	8453	6725	6101	0.0470	0.0778	0.194
90.4	10435	9777	7405	6744	0.0366	0.605	0.213
94.1	12056	11370	8737	7450	0.0283	0.0469	0.232
100.4	14399	13664	9278	8544	0.0221	0.0367	0.259
105.3	16742	15970	10493	9721	0.0176	0.0291	0.281
108.4	18713	17918	11319	10524	0.0151	0.0247	0.296
111.8	20848	20027	12217	11396	0.0129	0.0212	0.313
116.0	23112	22259	13151	12298	0.0113	0.0186	0.329