

# Construction

## 15KV 1/C XLPE Power Cable

## TPC A043

Conductor Size	Cross-section Area	No. of Conductor	Dia. of Conductor	Approx. Conductor Weight	Min. Average Thickness of Sheath	Dia. of Insulation	Dia. of Insulation Screen	Max. Conductor D.C. Resistance (25°C)	Standard Length
AWG or MCM	mm <sup>2</sup>	—	mm	Kg/km	mm	mm	mm	Ω/km	m
2	33.62	7	7.19	305	2.03	17.65±0.76	19.68±1.27	0.531	800
1	42.41	19	8.18	385	2.03	18.54±0.76	20.57±1.27	0.423	800
1/0	53.49	19	9.19	485	2.03	19.56±0.76	21.59±1.27	0.335	600
2/0	67.43	19	10.29	611	2.03	20.70±0.76	22.73±1.27	0.266	600
3/0	85.01	19	11.58	771	2.03	21.97±0.76	24.00±1.27	0.211	600
4/0	107.2	19	13.00	972	2.03	23.37±0.76	25.40±1.27	0.167	600
250	127	37	14.17	1150	2.03	24.89±0.76	26.92±1.27	0.141	600
350	177	37	16.76	1610	2.03	27.43±0.76	29.97±1.27	0.101	600
500	253	37	20.04	2300	2.03	30.73±0.76	33.27±1.27	0.0708	600
600	304	37	22.00	2760	2.03	32.89±0.76	35.43±1.27	0.0590	600
700	355	61	23.75	3220	2.03	34.67±0.76	37.21±1.27	0.0505	600
750	380	61	24.59	3450	2.03	35.56±0.76	38.10±1.27	0.0472	600
800	405	61	25.40	3680	2.79	36.32±0.76	38.86±1.27	0.0443	600
900	456	61	26.95	4140	2.79	37.84±0.76	40.39±1.27	0.0394	600
1000	507	61	28.37	4590	2.79	39.24±0.76	42.29±1.27	0.0354	600