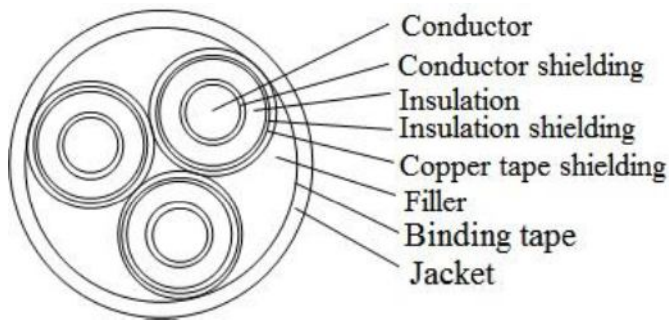


6. 6kV Cross-link Polyethylene (XLPE) Insulated, Polyvinyl Chloride(PVC) Sheathed Power Cable



Cable constructure:

Conductor: Round Compacted stranded

Conductor shielding: semi-conducting XLPE compound

Insulation: Cross-Linked Polyethylene (XLPE)

Insulation shielding: semi-conducting XLPE compound

Copper tape shielding: Copper tape

Assembly: For multi-core type cable

Binding tape: If necessary

Jacket: Lead-Free Polyvinyl Chloride (LF-PVC)

Standard: CNS 2655 C2047

Voltage rated: Under 6.6kV

6.6kV neutral point grounded system

Conductor				Minimum average insulation thickness	Minimum average sheath thickness	Max. conductor Resistance (20°C)		A.C. Test Voltage	Minimum insulation resistance (20°C)	Standard Single Length	Overall Diameter (Approx.)	Weight (Approx.)
Nominal Cross-Sectional Area		Composi-tion	Outer diameter (Approx.)			Annealed copper stranded wire	Tinned copper stranded wire					
mm ²	No.	No. /mm	mm	mm	mm	Ω /km	Ω /km	kV	MΩ .km	m	mm	kg/km
14	1	7/---	4.4	2.92	1.52	1.30	1.35	23	3500	300	17.3	441
22	1	7/---	5.5	2.92	1.52	0.824	0.849	23	3000	300	18.4	542
30	1	7/---	6.3	2.92	1.52	0.623	0.642	23	2500	300	19.2	628
38	1	7/---	7.1	2.92	1.52	0.487	0.502	23	2500	300	20.0	723
50	1	19/---	8.2	2.92	2.03	0.378	0.394	23	2000	300	22.1	903
60	1	19/---	9.2	2.92	2.03	0.303	0.313	23	2000	300	23.1	1038
80	1	19/---	10.5	2.92	2.03	0.229	0.237	23	2000	300	24.4	1244
100	1	19/---	11.9	2.92	2.03	0.180	0.185	23	2000	300	25.8	1483
125	1	19/---	13.2	2.92	2.03	0.144	0.149	23	1500	300	27.3	1753
150	1	37/---	14.8	2.92	2.03	0.118	0.121	23	1500	300	28.9	2057
200	1	37/---	16.7	2.92	2.03	0.0922	0.0951	23	1500	200	30.8	2498
250	1	61/---	19.0	2.92	2.03	0.0722	0.0744	23	1500	200	33.6	3124
325	1	61/---	21.5	2.92	2.03	0.0565	0.0582	23	1500	150	36.3	3814
400	1	61/---	24.0	2.92	2.03	0.0454	0.0468	23	1500	150	38.8	4639
500	1	61/---	26.2	2.92	2.03	0.0373	0.0384	23	1000	150	41.5	5534
14	3	7/---	4.4	2.92	2.03	1.33	1.38	23	3500	300	34.0	1533
22	3	7/---	5.5	2.92	2.03	0.840	0.866	23	3000	300	36.4	1883
30	3	7/---	6.3	2.92	2.03	0.635	0.655	23	2500	300	38.1	2173
38	3	7/---	7.1	2.92	2.03	0.497	0.512	23	2500	300	39.8	2493
50	3	19/---	8.2	2.92	2.03	0.386	0.402	23	2000	300	42.2	2935
60	3	19/---	9.2	2.92	2.79	0.309	0.319	23	2000	300	46.1	3569
80	3	19/---	10.5	2.92	2.79	0.234	0.242	23	2000	200	48.9	4261
100	3	19/---	11.9	2.92	2.79	0.184	0.189	23	2000	200	51.9	5061
125	3	19/---	13.2	2.92	2.79	0.147	0.152	23	1500	150	55.1	5968
150	3	37/---	14.8	2.92	2.79	0.120	0.123	23	1500	150	58.6	7000
200	3	37/---	16.7	2.92	2.79	0.0940	0.0970	23	1500	150	62.6	8461
250	3	61/---	19.0	2.92	2.79	0.0736	0.0759	23	1000	150	68.7	10575
325	3	61/---	21.5	2.92	3.56	0.0576	0.0594	23	1000	150	76.2	13194



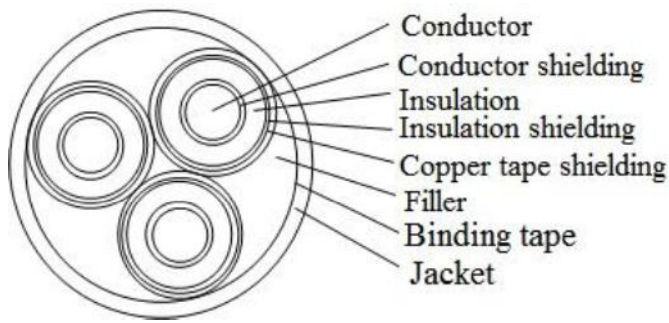
大亞集團

大亞電線電纜

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Ta Ya Electric Wire & Cable Co.,Ltd.

6. 6kV Cross-link Polyethylene (XLPE) Insulated, Polyvinyl Chloride(PVC) Sheathed Power Cable



Cable constructure:

Conductor: Round Compacted stranded

Conductor shielding: semi-conducting XLPE compound

Insulation: Cross-Linked Polyethylene (XLPE)

Insulation shielding: semi-conducting XLPE compound

Copper tape shielding: Copper tape

Assembly: For multi-core type cable

Binding tape: If necessary

Jacket: Lead-Free Polyvinyl Chloride (LF-PVC)

Standard: CNS 2655 C2047

Voltage rated: Under 6.6kV

6.6kV neutral point un-grounded system

Conductor				Minimum average insulation thickness	Minimum average sheath thickness	Max. conductor Resistance (20°C)		A.C. Test Voltage	Minimum insulation resistance (20°C)	Standard Single Length	Overall Diameter (Approx.)	Weight (Approx.)
Nominal Cross-Sectional Area		Composi-tion	Outer diameter (Approx.)			Annealed copper stranded wire	Tinned copper stranded wire					
mm ²	No.	No. /mm	mm	mm	mm	Ω /km	Ω /km	kV	MΩ .km	m	mm	kg/km
14	1	7/—	4.4	3.56	1.52	1.30	1.35	28	3500	300	18.7	490
22	1	7/—	5.5	3.56	1.52	0.824	0.849	28	3000	300	19.8	594
30	1	7/—	6.3	3.56	1.52	0.623	0.642	28	2500	300	20.6	682
38	1	7/—	7.1	3.56	2.03	0.487	0.502	28	2500	300	22.6	836
50	1	19/—	8.2	3.56	2.03	0.378	0.394	28	2000	300	23.5	963
60	1	19/—	9.2	3.56	2.03	0.303	0.313	28	2000	300	24.5	1101
80	1	19/—	10.5	3.56	2.03	0.229	0.237	28	2000	300	25.8	1310
100	1	19/—	11.9	3.56	2.03	0.180	0.185	28	2000	300	27.2	1551
125	1	19/—	13.2	3.56	2.03	0.144	0.149	28	1500	300	28.7	1825
150	1	37/—	14.8	3.56	2.03	0.118	0.121	28	1500	300	30.3	2133
200	1	37/—	16.7	3.56	2.03	0.0922	0.0951	28	1500	200	32.7	2615
250	1	61/—	19.0	3.56	2.03	0.0722	0.0744	28	1000	200	35	3210
325	1	61/—	21.5	3.56	2.03	0.0565	0.0582	28	1000	150	37.7	3907
400	1	61/—	24.0	3.56	2.03	0.0454	0.0468	28	1000	150	40.2	4738
500	1	61/—	26.2	3.56	2.79	0.0373	0.0384	28	1000	150	44.6	5812
14	3	7/—	4.4	3.56	2.03	1.33	1.38	28	3500	300	37	1730
22	3	7/—	5.5	3.56	2.03	0.840	0.866	28	3000	300	39.4	2091
30	3	7/—	6.3	3.56	2.03	0.635	0.655	28	2500	300	41.1	2390
38	3	7/—	7.1	3.56	2.03	0.497	0.512	28	2500	300	43.3	2748
50	3	19/—	8.2	3.56	2.79	0.386	0.402	28	2000	300	46.9	3354
60	3	19/—	9.2	3.56	2.79	0.309	0.319	28	2000	300	49.1	3827
80	3	19/—	10.5	3.56	2.79	0.234	0.242	28	2000	200	51.9	4533
100	3	19/—	11.9	3.56	2.79	0.184	0.189	28	2000	200	54.9	5347
125	3	19/—	13.2	3.56	2.79	0.147	0.152	28	1500	150	58.1	6270
150	3	37/—	14.8	3.56	2.79	0.120	0.123	28	1500	150	61.6	7318
200	3	37/—	16.7	3.56	2.79	0.0940	0.0970	28	1500	150	66.7	8947
250	3	61/—	19.0	3.56	3.56	0.0736	0.0759	28	1000	150	73.4	11232
325	3	61/—	21.5	3.56	3.56	0.0576	0.0594	28	1000	150	79.2	13602



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