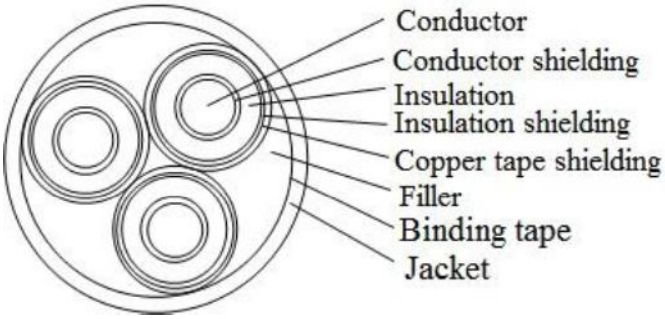
25kV Cross-link Polyethylene (XLPE) Insulated, Polyvinyl Chloride(PVC) Sheathed Power Cable



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 25kV

25kV neutral point grounded system

Conductor				Minimum average insulation thickness	Minimum average sheath thickness	Max. conductor Resistance (20℃)		A.C. Test Voltage	Minimum insulation resistance (20℃)	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
30	1	7/--	6.3	6.6	2.03	0.623	0.642	52	3600	300	27.9	1023
38	1	7/--	7.1	6.6	2.03	0.487	0.502	52	3600	300	28.7	1130
50	1	19/--	8.2	6.6	2.03	0.378	0.394	52	3000	300	29.8	1275
60	1	19/--	9.2	6.6	2.03	0.303	0.313	52	3000	300	30.8	1422
80	1	19/--	10.5	6.6	2.03	0.229	0.237	52	3000	200	32.6	1680
100	1	19/--	11.9	6.6	2.03	0.180	0.185	52	2800	200	34.0	1937
125	1	19/--	13.2	6.6	2.03	0.144	0.149	52	2000	200	35.5	2228
150	1	37/--	14.8	6.6	2.03	0.118	0.121	52	2000	200	37.1	2554
200	1	37/--	16.7	6.6	2.03	0.0922	0.0951	52	2000	200	39.0	3020
250	1	61/--	19.0	6.6	2.03	0.0722	0.0744	52	1800	200	41.3	3638
325	1	61/--	21.5	6.6	2.79	0.0565	0.0582	52	1500	200	45.7	4541
400	1	61/--	24.0	6.6	2.79	0.0454	0.0468	52	1500	150	48.7	5460
500	1	61/--	26.2	6.6	2.79	0.0373	0.0384	52	1500	150	51.4	6401
30	3	7/--	6.3	6.6	2.79	0.635	0.655	52	3600	200	56.4	3771
38	3	7/--	7.1	6.6	2.79	0.497	0.512	52	3600	200	58.1	4142
50	3	19/--	8.2	6.6	2.79	0.386	0.402	52	3000	200	60.5	4657
60	3	19/--	9.2	6.6	2.79	0.309	0.319	52	3000	200	62.6	5168
80	3	19/--	10.5	6.6	2.79	0.234	0.242	52	3000	150	66.5	6083
100	3	19/--	11.9	6.6	2.79	0.184	0.189	52	2800	150	69.5	6968
125	3	19/--	13.2	6.6	3.56	0.147	0.152	52	2000	150	74.6	8289
150	3	37/--	14.8	6.6	3.56	0.120	0.123	52	2000	150	78.0	9423
200	3	37/--	16.7	6.6	3.56	0.0940	0.0970	52	2000	150	82.1	11028
250	3	61/--	19.0	6.6	3.56	0.0736	0.0759	52	1800	150	87.1	13154
325	3	61/--	21.5	6.6	3.56	0.0576	0.0594	52	1500	150	92.9	15651

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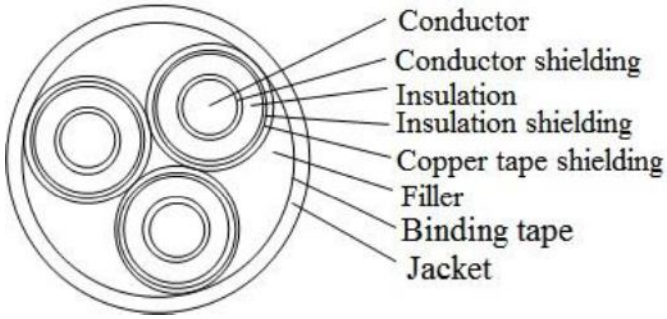

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Conductor shielding:semi-conducting XLPE compound
Insulation: Cross-Linked Polyethylene (XLPE)
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Copper tape shielding: Copper tape
Assembly: For multi-core type cable
Binding tape: If necessary
Jacket: Lead-Free Polyvinyl Chloride (LF-PVC)
Standard: CNS 2655 C2047
Voltage rated: Under 25kV

25kV neutral point un-grounded system

Conductor			Minimum average insulation thickness	Minimum average sheath thickness	Max. conductor Resistance (20℃)		A.C. Test Voltage	Minimum insulation resistance (20℃)	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	Ω/km	Ω/km	kV	MΩ.km	m	mm	kg/km
30	1	7/--	6.3	8.76	2.03	0.623	0.642	64	4500	200	33.4	1337
38	1	7/--	7.1	8.76	2.03	0.487	0.502	64	4500	200	34.4	1461
50	1	19/--	8.2	8.76	2.03	0.378	0.394	64	4000	200	35.3	1606
60	1	19/--	9.2	8.76	2.03	0.303	0.313	64	3800	200	36.3	1762
80	1	19/--	10.5	8.76	2.03	0.229	0.237	64	3500	150	37.6	1996
100	1	19/--	11.9	8.76	2.03	0.180	0.185	64	3500	150	39.0	2264
125	1	19/--	13.2	8.76	2.03	0.144	0.149	64	3500	150	40.5	2566
150	1	37/--	14.8	8.76	2.03	0.118	0.121	64	3200	150	42.1	2905
200	1	37/--	16.7	8.76	2.79	0.0922	0.0951	64	2800	150	45.7	3565
250	1	61/--	19.0	8.76	2.79	0.0722	0.0744	64	2800	150	48.5	4264
325	1	61/--	21.5	8.76	2.79	0.0565	0.0582	64	2400	150	51.2	5023
400	1	61/--	24.0	8.76	2.79	0.0454	0.0468	64	2000	150	53.7	5911
500	1	61/--	26.2	8.76	2.79	0.0373	0.0384	64	2000	150	56.4	6874
30	3	7/--	6.3	8.76	2.79	0.635	0.655	64	4500	150	68.2	5087
38	3	7/--	7.1	8.76	2.79	0.497	0.512	64	4500	150	70.4	5544
50	3	19/--	8.2	8.76	3.56	0.386	0.402	64	4000	150	74.0	6343
60	3	19/--	9.2	8.76	3.56	0.309	0.319	64	3800	150	76.2	6915
80	3	19/--	10.5	8.76	3.56	0.234	0.242	64	3500	150	79.0	7747
100	3	19/--	11.9	8.76	3.56	0.184	0.189	64	3500	150	82.0	8696
125	3	19/--	13.2	8.76	3.56	0.147	0.152	64	3500	150	85.2	9763
150	3	37/--	14.8	8.76	3.56	0.120	0.123	64	3200	150	88.7	10968
200	3	37/--	16.7	8.76	3.56	0.0940	0.0970	64	2800	150	92.8	12643
250	3	61/--	19.0	8.76	3.56	0.0736	0.0759	64	2800	150	98.8	15057
325	3	61/--	21.5	8.76	3.56	0.0576	0.0594	64	2400	150	104.6	17664