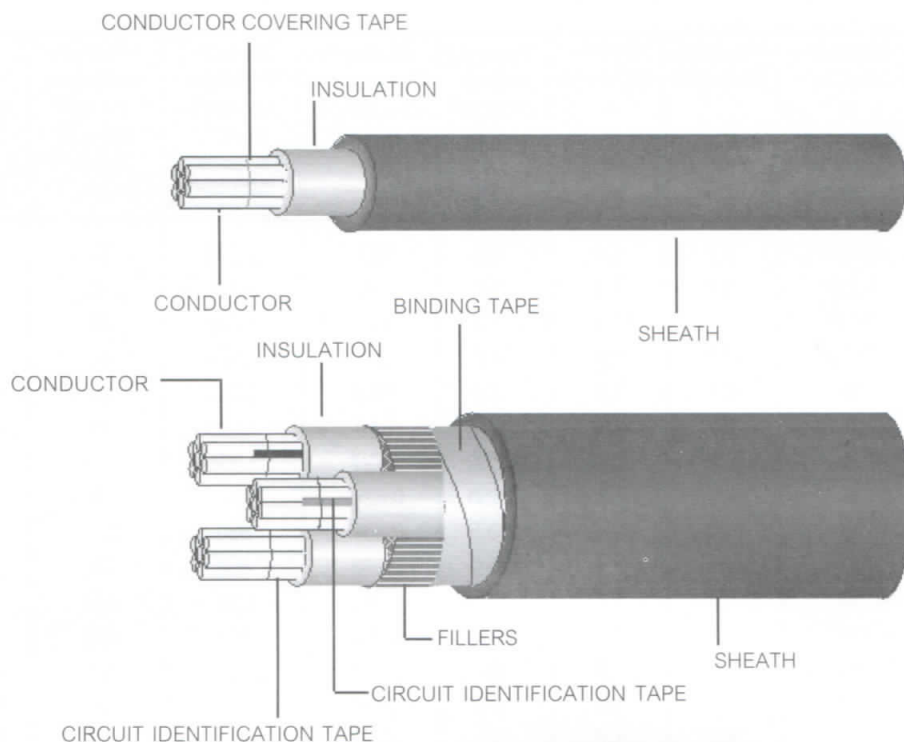


0.6/1KV 90 °C CROSS-LINKED POLYETHYLENE INSULATED PVC SHEATED POWER CABLE



B
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CABLE STRUCTURE

NUMBER OF CORE	:	Up to 4 cores
CONDUCTOR	:	Concentric stranded and compacted round stranded annealed copper, Sizes 1.5 mm ² up to 1,000 mm ²
INSULATION	:	Cross-linked polyethylene Color : Natural (Translucent) Core identification : Compound color or color tape Black, White, Red, Green
SHEATH	:	PVC Color : Black
CLASSIFICATION	:	Maximum conductor temperature 90 °C Circuit voltage not exceeding 1,200 volts
TESTING VOLTAGE	:	3,500 volts
REFERENCE	:	IEC 60502-1

0.6/1KV-CV

IEC 60502-1

Number of core	Nominal cross sectional area	Minimum number of stranded	Insulation thickness	Sheath thickness	Approx. overall diameter	Maximum conductor resistance at 20°C	Minimum insulation resistance at 20°C	Maximum continuous current rating in free air (Ampere)	Cable weight (approx.)	Standard length
	(mm ²)									
1	1.5	7/0.53	0.7	1.4	6.3	12.1	2,500	27	50	500/D
	2.5	7/0.67	0.7	1.4	6.8	7.41	2,100	36	60	500/D
	4	7/0.85	0.7	1.4	7.3	4.61	1,700	48	80	500/D
	6	7/1.04	0.7	1.4	7.9	3.08	1,450	61	100	500/D
	10	6	0.7	1.4	8.4	1.83	1,250	82	140	500/D
	16	6	0.7	1.4	9.4	1.15	1,000	110	200	500/D
	25	6	0.9	1.4	11.0	0.727	1,050	145	300	500/D
	35	6	0.9	1.4	12.0	0.524	900	180	400	500/D
	50	6	1.0	1.4	13.5	0.387	850	220	500	500/D
	70	12	1.1	1.4	15.0	0.268	800	280	750	500/D
	95	15	1.1	1.5	17.5	0.193	650	345	1,000	500/D
	120	18	1.2	1.5	19.0	0.153	650	400	1,200	500/D
	150	18	1.4	1.6	21	0.124	700	460	1,500	500/D
	185	30	1.6	1.6	23	0.0991	700	530	1,900	500/D
	240	34	1.7	1.7	26	0.0754	650	630	2,500	500/D
	300	34	1.8	1.8	29	0.0601	600	725	3,100	500/D
	400	53	2.0	1.9	32	0.0470	600	840	3,900	500/D
	500	53	2.2	2.0	36	0.0366	600	975	5,000	500/D
	630	53	2.4	2.2	40	0.0283	550	1,125	6,500	500/D
	800	53	2.6	2.3	45	0.0221	550	1,320	8,500	300/D
1,000	53	2.8	2.4	51	0.0176	500	1,510	10,500	300/D	
2	1.5	7/0.53	0.7	1.8	11.0	12.1	2,500	25	130	500/D
	2.5	7/0.67	0.7	1.8	12.0	7.41	2,100	34	160	500/D
	4	7/0.85	0.7	1.8	13.0	4.61	1,700	44	200	500/D
	6	7/1.04	0.7	1.8	14.0	3.08	1,450	57	260	500/D
	10	6	0.7	1.8	15.0	1.83	1,250	77	340	500/D
	16	6	0.7	1.8	17.0	1.15	1,000	100	480	500/D
	25	6	0.9	1.8	20	0.727	1,050	135	700	500/D
	35	6	0.9	1.8	23	0.524	900	165	900	500/D
	50	6	1.0	1.8	25	0.387	850	205	1,200	500/D
	70	12	1.1	1.8	29	0.268	800	255	1,700	500/D
	95	15	1.1	2.0	33	0.193	650	315	2,300	500/D
	120	18	1.2	2.1	37	0.153	650	365	2,800	500/D
	150	18	1.4	2.2	41	0.124	700	415	3,500	500/D
	185	30	1.6	2.3	45	0.0991	700	485	4,300	500/D
	240	34	1.7	2.5	51	0.0754	650	580	5,500	500/D
	300	34	1.8	2.7	56	0.0601	600	675	7,000	300/D
400	53	2.0	2.9	63	0.0470	600	790	9,000	300/D	

D : Packing in drum

0.6/1KV-CV

IEC 60502-1

Number of core	Nominal cross sectional area (mm ²)	Minimum number of stranded (No./mm)	Insulation thickness (mm)	Sheath thickness (mm)	Approx. overall diameter (mm)	Maximum conductor resistance at 20°C (Ω-km)	Minimum insulation resistance at 20°C (MΩ-km)	Maximum continuous current rating in free air (Ampere)	Cable weight (approx.) (kg/km)	Standard length (m)
3	1.5	7/0.53	0.7	1.8	11.5	12.1	2,500	21	150	500/D
	2.5	7/0.67	0.7	1.8	12.5	7.41	2,100	28	190	500/D
	4	7/0.85	0.7	1.8	13.5	4.61	1,700	37	240	500/D
	6	7/1.04	0.7	1.8	15.0	3.08	1,450	48	320	500/D
	10	6	0.7	1.8	16.0	1.83	1,250	64	440	500/D
	16	6	0.7	1.8	18.0	1.15	1,000	86	650	500/D
	25	6	0.9	1.8	22	0.727	1,050	115	950	500/D
	35	6	0.9	1.8	24	0.524	900	140	1,300	500/D
	50	6	1.0	1.8	27	0.387	850	170	1,600	500/D
	70	12	1.1	1.9	31	0.268	800	215	2,300	500/D
	95	15	1.1	2.0	36	0.193	650	260	3,100	500/D
	120	18	1.2	2.1	39	0.153	650	305	4,000	500/D
	150	18	1.4	2.3	44	0.124	700	350	4,900	500/D
	185	30	1.6	2.4	49	0.0991	700	405	6,000	500/D
	240	34	1.7	2.6	55	0.0754	650	490	8,000	300/D
	300	34	1.8	2.8	61	0.0601	600	565	10,000	300/D
400	53	2.0	3.1	68	0.0470	600	655	12,500	200/D	
4	1.5	7/0.53	0.7	1.8	12.0	12.1	2,500	21	180	500/D
	2.5	7/0.67	0.7	1.8	13.5	7.41	2,100	28	230	500/D
	4	7/0.85	0.7	1.8	14.5	4.61	1,700	37	300	500/D
	6	7/1.04	0.7	1.8	16.0	3.08	1,450	48	400	500/D
	10	6	0.7	1.8	17.5	1.83	1,250	64	550	500/D
	16	6	0.7	1.8	20	1.15	1,000	86	800	500/D
	25	6	0.9	1.8	24	0.727	1,050	115	1,200	500/D
	35	6	0.9	1.8	27	0.524	900	140	1,600	500/D
	50	6	1.0	1.9	30	0.387	850	170	2,200	500/D
	70	12	1.1	2.0	35	0.268	800	215	3,000	500/D
	95	15	1.1	2.1	39	0.193	650	260	4,100	500/D
	120	18	1.2	2.3	44	0.153	650	305	5,000	500/D
	150	18	1.4	2.4	49	0.124	700	350	6,500	500/D
	185	30	1.6	2.6	54	0.0991	700	405	8,000	300/D
	240	34	1.7	2.8	61	0.0754	650	490	10,500	300/D
	300	34	1.8	3.0	68	0.0601	600	565	13,000	200/D
400	53	2.0	3.3	76	0.0470	600	655	16,500	200/D	

D : Packing in drum

B
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