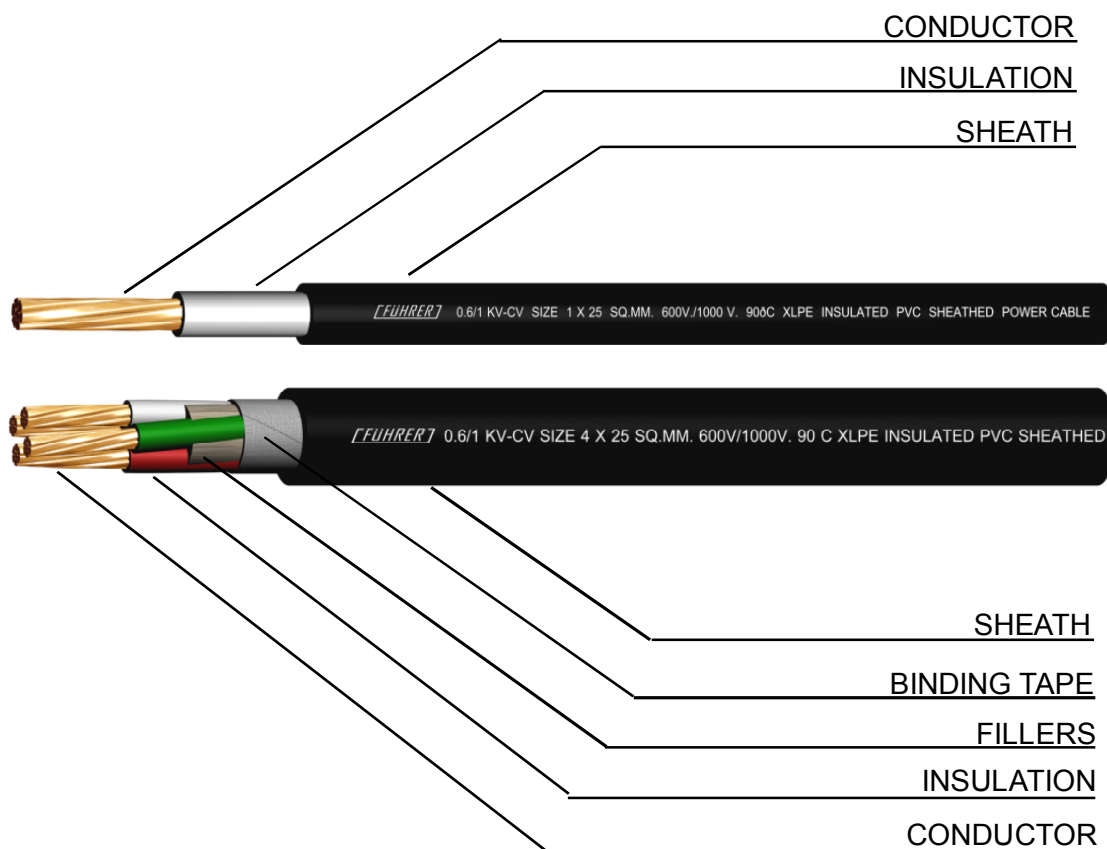


0.6/1 KV-CV



TIS 2143-2546
IEC 60502-1

600V/1000V 90°C CROSS-LINKED POLYETHYLENE INSULATED, PVC SHEATHED POWER CABLE



CABLE STRUCTURE

NUMBER OF CORE	Up to 4 cores
CONDUCTOR	: Concentric stranded and compact round stranded annealed copper, Sizes. 1.5 mm ² up to 630 mm ²
INSULATION	: Cross-linked polyethylene Colour : Natural (Translucent) Core identification: Compound color Black, White, Red, green or color tape
SHEATH	: PVC Colour : Black
CLASSIFICATION	: Maximum conductor temperature 90°C Circuit voltage not exceeding 1,200 volts
TESTING VOLTAGE	: 3,500 Volts
REFERENCE	: TIS 2143-2546 , IEC 60502-1



0.6/1KV-CV

Number of cores	Nominal cross sectional area (mm ²)	Number of stranded	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)
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	6.5	7.41	2,100	36	60	500/D
	4	7/0.85	0.7	1.4	7.0	4.61	1,700	48	80	500/D
	6	7/1.04	0.7	1.4	7.5	3.08	1,450	61	100	500/D
	10	6	0.7	1.4	8.1	1.83	1,250	82	140	500/D
	16	6	0.7	1.4	9.1	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	15.2	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	0.153	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	
2	1.5	7/0.53	0.7	1.8	11	12.1	2,500	25	130	500/D
	2.5	7/0.67	0.7	1.8	12	7.41	2,100	34	160	500/D
	4	7/0.85	0.7	1.8	13	4.61	1,700	44	200	500/D
	6	7/1.04	0.7	1.8	14	3.08	1,450	57	260	500/D
	10	6	0.7	1.8	15	1.83	1,250	77	340	500/D
	16	6	0.7	1.8	17	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	

D: Packing in drum.



0.6/1KV-CV

Number of cores	Nominal cross sectional area (mm ²)	Number of stranded	Insulation thickness (mm)	Sheath thickness (mm)	Approx. Overall diameter (mm)	Maximum conductor resistance at 20°C (MΩ-Km)	Minimum insulation resistance at 20°C (MΩ-Km)	Maximum continuous current rating in free air (MΩ-Km)	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	3.08	1,450	48	320	500/D
	10	6	0.7	1.8	16	1.83	1,250	64	440	500/D
	16	6	0.7	1.8	18	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	
4	1.5	7/0.53	0.7	1.8	12	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	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	

C: Packing in coil.
D: Packing in drum.