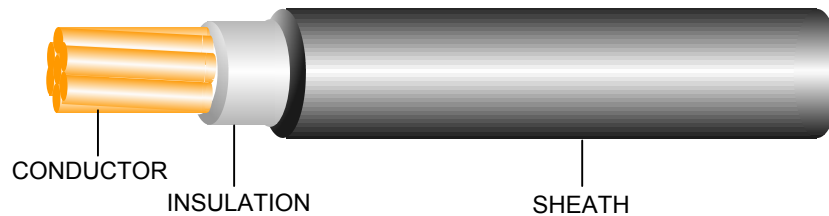

FI-0.6/1KV-CV

0.6/1(1.2)kV 90 °C XLPE Insulated PVC Jacketed Flame Retardant Power Cable



CABLE STRUCTURE

NUMBER OF CORE CONDUCTOR	: 1 up to 4 core : Concentric stranded and compact stranded annealed Copper sizes 1.5 mm ² up to 1000 mm ²
INSULATION	: Cross -linked Polyethylene (XLPE) Color: Natural(Translucent) Core identification : Compound-color Black, White, Red, Green or Color tape
SHEATH	: Flame Retardant PVC Color : Black
CLASSIFICATION	: Maximum conductor temperature 90 °C,Circuit Voltage not exceeding 1 kV
TESTING VOLTAGE	: 3.5 kV
REFERENCE STANDARD	: IEC 60502-1
FLAME RETARDANT STANDARD	: IEEE 383



FI-0.6/1KV-CV

IEC 60502-1

No. of core	Size (mm ²)	Conductor Strands (mm)	Conductor Diameter Approx. (mm)	Insulation Thickness Nominal (mm)	Jacket Thickness Nominal (mm)	Overall Diameter Approx. (mm)	Maximum Conductor Resistance at 20 °C (Ω/km)	Maximum Conductor Resistance at 20 °C (MΩ-km)	Maximum Continuous Current Rating in Free air (Ampere)	Weight Of Cable (approx.) (kg/km)	Standard Packing Length (m)
1	1.5	7/0.53	1.59	0.7	1.4	6.3	12.1	2,500	27	48	500/D
	2.5	7/0.67	2.01	0.7	1.4	6.8	7.41	2,100	36	60	500/D
	4	7/0.85	2.55	0.7	1.4	7.3	4.61	1,700	48	80	500/D
	6	7/1.04	3.12	0.7	1.4	7.9	3.08	1,450	61	100	500/D
	10	6	3.8	0.7	1.4	8.4	1.83	1,250	82	140	500/D
	16	6	4.8	0.7	1.4	9.4	1.15	1,000	110	200	500/D
	25	6	6	0.9	1.4	11.0	0.727	1,050	145	300	500/D
	35	6	7.1	0.9	1.4	12.0	0.524	900	180	400	500/D
	50	6	8.3	1.0	1.4	13.5	0.387	850	220	500	500/D
	70	12	9.9	1.1	1.4	15.5	0.268	800	280	750	500/D
	95	15	11.7	1.1	1.5	17.5	0.193	650	345	1,000	500/D
	120	18	13.2	1.2	1.5	19.0	0.153	650	400	1,200	500/D
	150	18	14.6	1.4	1.5	21	0.124	700	460	1,500	500/D
	185	30	16.3	1.6	1.6	24	0.0991	700	530	1,900	500/D
	240	34	18.7	1.7	1.7	26	0.0754	650	630	2,500	500/D
	300	34	20.9	1.8	1.8	29	0.0601	600	725	3,100	500/D
	400	53	23.5	2.0	1.9	32	0.0470	600	840	3,900	500/D
	500	53	26.7	2.2	2.0	36	0.0366	600	975	5,000	500/D
	630	53	30.3	2.4	2.2	40	0.0283	550	1,125	6,500	500/D
	800	53	34.1	2.6	2.3	45	0.0221	550	1,320	8,000	500/D
1000	53	39.9	2.8	2.4	51	0.0176	500	1,510	10,500	500/D	
	1.5	7/0.53	1.59	0.7	1.8	11.0	12.1	2,500	25	120	500/D
	2.5	7/0.67	2.01	0.7	1.8	12.0	7.41	2,100	34	140	500/D
	4	7/0.85	2.55	0.7	1.8	13.0	4.61	1,700	44	180	500/D
	6	7/1.04	3.12	0.7	1.8	14.0	3.08	1,450	57	240	500/D
	10	6	3.8	0.7	1.8	15.0	1.83	1,250	77	320	500/D
	16	6	4.8	0.7	1.8	17.0	1.15	1,000	100	450	500/D
	25	6	6.0	0.9	1.8	21	0.727	1,050	135	650	500/D
	35	6	7.1	0.9	1.8	23	0.524	900	165	850	500/D
	50	6	8.3	1.0	1.8	26	0.387	850	205	1,100	500/D
	70	12	9.9	1.1	1.8	29	0.268	800	288	1,600	500/D
	95	15	11.7	1.1	2.0	33	0.193	650	315	2,200	500/D
	120	18	13.2	1.2	2.1	37	0.153	650	365	2,700	500/D
	150	18	14.6	1.4	2.2	41	0.124	700	415	3,300	500/D
	185	30	16.3	1.6	2.3	45	0.0991	700	485	4,100	500/D
	240	34	18.7	1.7	2.5	51	0.0754	650	580	5,500	500/D
	300	34	20.9	1.8	2.7	56	0.0601	600	675	6,500	500/D
400	53	23.5	2.0	2.9	63	0.0470	600	790	8,500	500/D	



FI-0.6/1KV-CV

IEC 60502-1

No. of core	Size (mm ²)	Conductor Strands (mm)	Conductor Diameter Approx. (mm)	Insulation Thickness Nominal (mm)	Jacket Thickness Nominal (mm)	Overall Diameter Approx. (mm)	Maximum Conductor Resistance at 20 °C (Ω/km)	Maximum Conductor Resistance at 20 °C (MΩ-km)	Maximum Continuous Current Rating in Free air (Ampere)	Weight Of Cable (approx.) (kg/km)	Standard Packing Length (m)
3	1.5	7/0.53	1.59	0.7	1.8	11.5	12.1	2,500	21	140	500/D
	2.5	7/0.67	2.01	0.7	1.8	12.5	7.41	2,100	28	180	500/D
	4	7/0.85	2.55	0.7	1.8	13.5	4.61	1,700	37	230	500/D
	6	7/1.04	3.12	0.7	1.8	15.0	3.08	1,450	48	300	500/D
	10	6	3.8	0.7	1.8	16.0	1.83	1,250	64	420	500/D
	16	6	4.8	0.7	1.8	18.0	1.15	1,000	86	600	500/D
	25	6	6.0	0.9	1.8	22	0.727	1,050	115	900	500/D
	35	6	7.1	0.9	1.8	24	0.524	900	140	1,200	500/D
	50	6	8.3	1.0	1.8	27	0.387	850	170	1,600	500/D
	70	12	9.9	1.1	1.9	31	0.268	800	215	2,200	500/D
	95	15	11.7	1.1	2.0	36	0.193	650	260	3,000	500/D
	120	18	13.2	1.2	2.1	39	0.153	650	305	3,800	500/D
	150	18	14.6	1.4	2.3	44	0.124	700	350	4,700	500/D
	185	30	16.3	1.6	2.4	49	0.0991	700	405	6,000	500/D
	240	34	18.7	1.7	2.6	55	0.0754	650	490	7,500	500/D
	300	34	20.9	1.8	2.8	61	0.0601	600	656	9,500	500/D
400	53	23.5	2.0	3.1	68	0.0470	600	655	12,000	500/D	
4	1.5	7/0.53	1.59	0.7	1.8	12.0	12.1	2,500	21	170	500/D
	2.5	7/0.67	2.01	0.7	1.8	13.5	7.41	2,100	28	220	500/D
	4	7/0.85	2.55	0.7	1.8	14.5	4.61	1,700	37	290	500/D
	6	7/1.04	3.12	0.7	1.8	16.0	3.08	1,450	48	380	500/D
	10	6	3.8	0.7	1.8	17.5	1.83	1,250	64	550	500/D
	16	6	4.8	0.7	1.8	20	1.15	1,000	86	800	500/D
	25	6	6	0.9	1.8	24	0.727	1,050	115	1,200	500/D
	35	6	7.1	0.9	1.8	27	0.524	900	140	1,600	500/D
	50	6	8.3	1.0	1.9	30	0.387	850	170	2,100	500/D
	70	12	9.9	1.1	2.0	35	0.268	800	215	2,900	500/D
	95	15	11.7	1.1	2.1	39	0.193	650	260	4,000	500/D
	120	18	13.2	1.2	2.3	44	0.153	650	305	5,000	500/D
	150	18	14.6	1.4	2.4	49	0.124	700	350	6,000	500/D
	185	30	16.3	1.6	2.6	54	0.0991	700	405	8,000	500/D
	240	34	18.7	1.7	2.8	61	0.0754	650	490	10,000	500/D
	300	34	20.9	1.8	3.0	68	0.0601	600	565	12,500	500/D
400	53	23.5	2.0	3.3	76	0.0470	600	655	16,000	500/D	

