

0.6/1kV CV

0.6/1kV. 90°C CROSS-LINKED POLYETHYLENE INSULATED,
PVC SHEATHED POWER CABLE, SINGLE CORE



APPLICATION

- Use for general purpose
- Install in duct in ground or direct burial in ground
- If use indoor must installation in raceway closed except for 0.6/1 kV CV-FD

TESTING VOLTAGE : 3,500 Volts

REFERENCE STANDARD :

IEC 60228, IEC 60502-1, TIS 2143-2546

CABLE STRUCTURE

CONDUCTOR : Concentric stranded and compacted round annealed copper

Size 1.5 - 800 mm²

INSULATION : Cross-linked polyethylene (XLPE)

SHEATHED :

Black polyvinyl chloride type PVC/ST2

CORE IDENTIFICATION :

Natural color (Translucent)

CLASSIFICATION

Maximum Conductor Temperature : 90°C

Circuit Voltage does not exceed

0.6/1 kV (U₀/U)

600 Volts between Line to Earth (U₀)

1,000 Volts between Line to Line (U)

Technical Data

Nominal cross sectional area mm ²	Diameter (approx.) mm	Nominal insulation thickness mm	Nominal sheathed thickness mm	Overall diameter (approx.) mm	Maximum conductor resistance at 20°C Ω/km	Minimum insulation resistance at 20°C MΩ·km	Current rating		Cable weight (approx.) kg/km	Standard packing m
							in free air at 40°C ambient A	direct burial in ground at 30°C A		
1.5	1.50	0.7	1.4	6.3	12.1	2,550	27	33	50	500/D
2.5	1.98	0.7	1.4	6.8	7.41	2,100	38	43	60	500/D
4	2.49	0.7	1.4	7.3	4.61	1,700	54	55	80	500/D
6	3.09	0.7	1.4	7.9	3.08	1,450	68	70	100	500/D
10	3.72	0.7	1.4	8.4	1.83	1,250	90	92	140	500/D
16	4.69	0.7	1.4	9.4	1.15	1,000	124	119	200	500/D
25	5.90	0.9	1.4	11.0	0.727	1,050	166	152	300	500/D
35	6.95	0.9	1.4	12.0	0.524	900	206	184	400	500/D
50	8.33	1.0	1.4	13.5	0.387	850	250	217	500	500/D
70	9.73	1.1	1.4	16.0	0.268	800	321	266	750	500/D
95	11.43	1.1	1.5	18.2	0.193	700	391	318	1,000	500/D
120	12.95	1.2	1.5	19.9	0.153	650	455	362	1,200	500/D
150	14.27	1.4	1.6	22.1	0.124	700	525	406	1,500	500/D
185	15.98	1.6	1.6	23.0	0.0991	700	602	459	1,900	500/D
240	18.47	1.7	1.7	26.5	0.0754	650	711	533	2,500	500/D
300	20.68	1.8	1.8	29.0	0.0601	600	821	601	3,100	500/D
400	23.39	2.0	1.9	32.0	0.0470	600	987	684	3,900	500/D
500	26.67	2.2	2.0	36.0	0.0366	600	1,140	777	5,000	500/D
630	30.22	2.4	2.2	40.0	0.0283	550	1,298	945	6,500	300/D
800	34.00	2.6	2.3	46.0	0.0221	550	1,494	1,060	8,500	300/D

D : Packing in drum

การใช้งาน

- ใช้งานทั่วไป
- ร้อยท่อฝังดินหรือฝังดินโดยตรง
- ถ้าใช้ภายในอาคารจะต้องติดตั้งในช่องเดินสายไฟที่ปิดมิดชิด ยกเว้น 0.6/1 kV CV-FD