

# 0.6/1kV CV

0.6/1kV. 90°C CROSS-LINKED POLYETHYLENE INSULATED,  
PVC SHEATHED POWER CABLE, 2 CORES



## 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 - 400 mm<sup>2</sup>

**INSULATION** : Cross-linked polyethylene (XLPE)

**FILLER** : PP yarn

**BINDING TAPE** : Spunbond tape or polyester tape

**SHEATHED** : Black polyvinyl chloride type PVC/ST2

## CLASSIFICATION

Maximum Conductor Temperature : 90°C

Circuit Voltage does not exceed

0.6/1 kV (U<sub>0</sub>/U)

600 Volts between Line to Earth (U<sub>0</sub>)

1,000 Volts between Line to Line (U)

## Technical Data

Nominal cross sectional area mm <sup>2</sup>	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	1.8	11.0	12.1	2,550	21	33	130	500/D
2.5	1.98	0.7	1.8	11.5	7.41	2,100	29	43	160	500/D
4	2.49	0.7	1.8	12.5	4.61	1,700	38	55	200	500/D
6	3.09	0.7	1.8	14.0	3.08	1,450	49	70	260	500/D
10	3.72	0.7	1.8	15.0	1.83	1,250	68	92	340	500/D
16	4.69	0.7	1.8	17.0	1.15	1,000	91	119	480	500/D
25	5.90	0.9	1.8	21.0	0.727	1,050	116	152	700	500/D
35	6.95	0.9	1.8	23.0	0.524	900	144	184	900	500/D
50	8.33	1.0	1.8	26.0	0.387	850	175	217	1,200	500/D
70	9.73	1.1	1.8	29.0	0.268	800	224	266	1,700	500/D
95	11.43	1.1	2.0	33.0	0.193	700	271	318	2,300	500/D
120	12.95	1.2	2.1	37.0	0.153	650	315	362	2,800	500/D
150	14.27	1.4	2.2	41.0	0.124	700	363	406	3,500	500/D
185	15.98	1.6	2.3	45.0	0.0991	700	415	459	4,300	500/D
240	18.47	1.7	2.5	51.0	0.0754	650	490	533	5,500	500/D
300	20.68	1.8	2.7	56.0	0.0601	600	565	601	7,000	300/D
400	23.39	2.0	2.9	63.0	0.0470	600	678	684	9,000	300/D

D : Packing in drum

Core Color : Blue, Brown

การใช้งาน

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