

0.6/1kV CV

0.6/1kV. 90°C CROSS-LINKED POLYETHYLENE INSULATED,
PVC SHEATHED POWER CABLE, 4 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 mm²

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_0/U)

600 Volts between Line to Earth (U_0)

1,000 Volts between Line to Line (U)

Technical Data

Nominal cross sectional area	Diameter (approx.)	Nominal insulation thickness	Nominal sheathed thickness	Overall diameter (approx.)	Maximum conductor resistance at 20°C	Minimum insulation resistance at 20°C	Current rating		Cable weight (approx.)	Standard packing
							in free air at 40°C ambient	direct burial in ground at 30°C		
mm ²	mm	mm	mm	mm	Ω/km	MΩ·km	A	A	kg/km	m
1.5	1.50	0.7	1.8	12.0	12.1	2,550	21	33	180	500/D
2.5	1.98	0.7	1.8	13.0	7.41	2,100	29	43	230	500/D
4	2.49	0.7	1.8	14.5	4.61	1,700	38	55	300	500/D
6	3.09	0.7	1.8	16.0	3.08	1,450	49	70	400	500/D
10	3.72	0.7	1.8	17.5	1.83	1,250	68	92	550	500/D
16	4.69	0.7	1.8	20.0	1.15	1,000	91	119	800	500/D
25	5.90	0.9	1.8	24.0	0.727	1,050	116	152	1,200	500/D
35	6.95	0.9	1.8	27.0	0.524	900	144	184	1,600	500/D
50	8.33	1.0	1.9	30.0	0.387	850	175	217	2,200	500/D
70	9.73	1.1	2.0	35.0	0.268	800	224	266	3,000	500/D
95	11.43	1.1	2.1	39.0	0.193	700	271	318	4,100	500/D
120	12.95	1.2	2.3	44.0	0.153	650	315	362	5,000	500/D
150	14.27	1.4	2.4	49.0	0.124	700	363	406	6,500	500/D
185	15.98	1.6	2.6	54.0	0.0991	700	415	459	8,000	500/D
240	18.47	1.7	2.8	61.0	0.0754	650	490	533	10,500	500/D
300	20.68	1.8	3.0	68.0	0.0601	600	565	608	13,000	300/D
400	23.39	2.0	3.3	76.0	0.0470	600	678	684	16,500	300/D

D : Packing in drum

Core Color : Blue, Brown, Black, Grey

การใช้งาน

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