

# 0.6/1kV CV-FD

0.6/1kV. 90°C CROSS-LINKED POLYETHYLENE INSULATED,  
PVC SHEATHED POWER CABLE, 3 CORES



## APPLICATION

- Use for general purpose
- Install in duct in ground or direct burial in ground

TESTING VOLTAGE : 3,500 Volts

REFERENCE STANDARD :

IEC 60502-1, IEC 60228, IEC 60332-1

## 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

IEC 60502-1

Nominal cross sectional area mm <sup>2</sup>	Number of wires No.	Diameter of wires mm	Diameter (approx.) mm	Nominal insulation thickness mm	Nominal sheathed thickness mm	Overall diameter (approx.) mm	Maximum conductor resistance at 20°C Ω/km	Maximum insulation resistance at 20°C MΩ-km	Cable weight (approx.) kg/km	Standard packing m
1.5	7	0.53	1.53	0.7	1.8	11.5	12.1	2,550	150	1,000/D
2.5	7	0.67	1.98	0.7	1.8	12.5	7.41	2,100	190	1,000/D
4	7	0.85	2.49	0.7	1.8	13.5	4.61	1,700	240	1,000/D
6	7	1.04	3.09	0.7	1.8	14.5	3.08	1,450	320	1,000/D
10	7	1.35	3.72	0.7	1.8	16.0	1.83	1,250	440	1,000/D
16	7	1.70	4.69	0.7	1.8	18.0	1.15	1,000	650	1,000/D
25	7	2.14	5.90	0.9	1.8	22.0	0.727	1,050	950	500/D
35	7	2.52	6.95	0.9	1.8	24.0	0.524	900	1,300	500/D
50	19	1.78	8.33	1.0	1.8	27.0	0.387	850	1,600	500/D
70	19	2.14	9.73	1.1	1.9	31.0	0.268	800	2,300	500/D
95	19	2.52	11.43	1.1	2.0	36.0	0.193	700	3,100	500/D
120	37	2.03	12.95	1.2	2.1	39.0	0.153	650	4,000	500/D
150	37	2.25	14.27	1.4	2.3	44.0	0.124	700	4,900	500/D
185	37	2.52	15.98	1.6	2.4	49.0	0.0991	700	6,000	500/D
240	61	2.25	18.47	1.7	2.6	55.0	0.0754	650	8,000	300/D
300	61	2.52	20.68	1.8	2.8	61.0	0.0601	600	10,000	300/D
400	61	2.85	23.39	2.0	3.1	68.0	0.0470	600	12,500	200/D

D : Packing in drum

Core Color : Brown, Black, Grey

การใช้งาน

- ใช้งานทั่วไป
- รอยต่อฝังดินหรือฝังดินโดยตรง