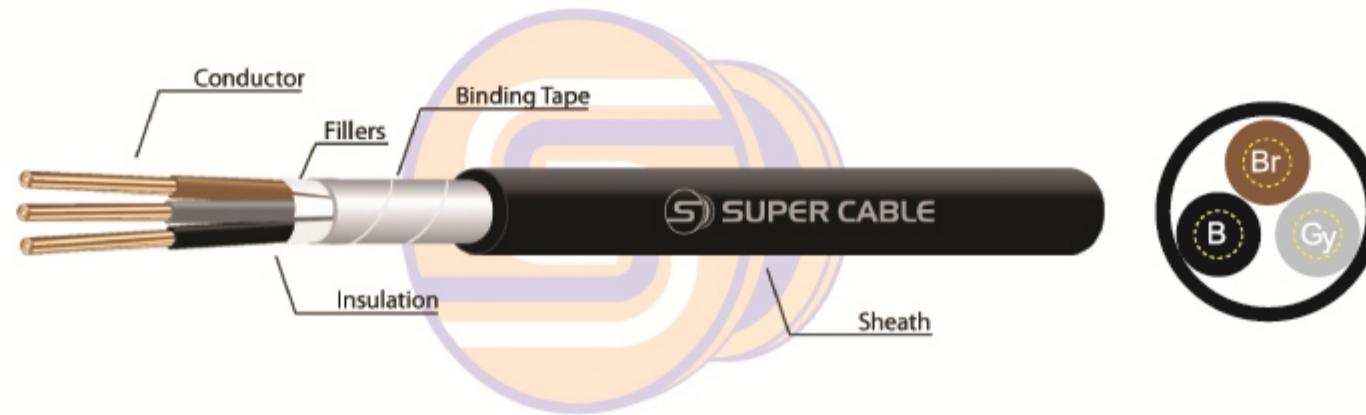


0.6/1kV CV

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
- If use indoor must installation in raceway closed except for FD-0.6/1 kV-CV

TESTING VOLTAGE : 3,500 Volts

REFERENCE STANDARD :
IEC 60502-1

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 (U₀/U)

600 Volts between Line to Earth (U₀)

1,000 Volts between Line to Line (U)

Technical Data

IEC 60502-1

| Nominal cross sectional area mm ² | 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 | 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 | 7 | 0.53 | 1.53 | 0.7 | 1.8 | 11.5 | 12.1 | 2,550 | 21 | 28 | 150 | 1,000/D |
| 2.5 | 7 | 0.67 | 1.98 | 0.7 | 1.8 | 12.5 | 7.41 | 2,100 | 29 | 37 | 190 | 1,000/D |
| 4 | 7 | 0.85 | 2.49 | 0.7 | 1.8 | 13.5 | 4.61 | 1,700 | 38 | 49 | 240 | 1,000/D |
| 6 | 7 | 1.04 | 3.09 | 0.7 | 1.8 | 14.5 | 3.08 | 1,450 | 49 | 61 | 320 | 1,000/D |
| 10 | 7 | 1.35 | 3.72 | 0.7 | 1.8 | 16.0 | 1.83 | 1,250 | 68 | 82 | 440 | 1,000/D |
| 16 | 7 | 1.70 | 4.69 | 0.7 | 1.8 | 18.0 | 1.15 | 1,000 | 91 | 105 | 650 | 1,000/D |
| 25 | 7 | 2.14 | 5.90 | 0.9 | 1.8 | 22.0 | 0.727 | 1,050 | 116 | 135 | 950 | 500/D |
| 35 | 7 | 2.52 | 6.95 | 0.9 | 1.8 | 24.0 | 0.524 | 900 | 144 | 165 | 1,300 | 500/D |
| 50 | 19 | 1.78 | 8.33 | 1.0 | 1.8 | 27.0 | 0.387 | 850 | 180 | 200 | 1,600 | 500/D |
| 70 | 19 | 2.14 | 9.73 | 1.1 | 1.9 | 31.0 | 0.268 | 800 | 224 | 245 | 2,300 | 500/D |
| 95 | 19 | 2.52 | 11.43 | 1.1 | 2.0 | 36.0 | 0.193 | 700 | 271 | 295 | 3,100 | 500/D |
| 120 | 37 | 2.03 | 12.95 | 1.2 | 2.1 | 39.0 | 0.153 | 650 | 315 | 335 | 4,000 | 500/D |
| 150 | 37 | 2.25 | 14.27 | 1.4 | 2.3 | 44.0 | 0.124 | 700 | 363 | 380 | 4,900 | 500/D |
| 185 | 37 | 2.52 | 15.98 | 1.6 | 2.4 | 49.0 | 0.0991 | 700 | 415 | 425 | 6,000 | 500/D |
| 240 | 61 | 2.25 | 18.47 | 1.7 | 2.6 | 55.0 | 0.0754 | 650 | 490 | 495 | 8,000 | 300/D |
| 300 | 61 | 2.52 | 20.68 | 1.8 | 2.8 | 61.0 | 0.0601 | 600 | 565 | 560 | 10,000 | 300/D |
| 400 | 61 | 2.85 | 23.39 | 2.0 | 3.1 | 68.0 | 0.0470 | 600 | 678 | 630 | 12,500 | 200/D |

D : Packing in drum

Core Color : Brown, Black, Grey

การใช้งาน

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

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