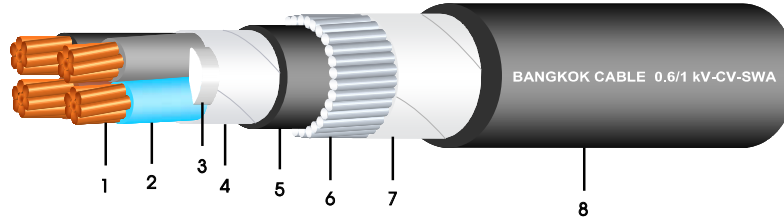


0.6/1 kV CV-SWA (FR-CV-SWA optional)*

4 CORES - CROSSLINKED POLYETHYLENE POWER CABLE WITH ARMOUR



Construction

1. Conductor : Circular stranded or circular compacted stranded annealed copper
2. Insulation : Cross-linked polyethylene (XLPE)
Colour code : Ligth Blue, Brown, Black, Grey
3. Filler : Polypropylene (Non-hygroscopic material)
4. Binding tape : Polyester tape and/or Spunbond tape
5. Inner sheath : Polyvinyl chloride (PVC), Black colour
6. Armour : Galvanized steel wires
7. Binding tape : Polyester tape and/or Spunbond tape
8. Outer sheath : Polyvinyl chloride (PVC), Black colour
(Optional : FR-PVC)*

Reference Standard :

IEC 60502-1

Classification

- Maximum conductor temperature : 90°C
Maximum circuit voltage : 1,000 V
AC test voltage : 3,500 V

Application

For general purpose power distribution in dry or wet location, best suitable for direct burial in ground.

| Conductor | | | Thickness of insulation | Thickness of inner sheath | Diameter under armour | Diameter of wire armour | Thickness of outer sheath | Overall diameter | DC. conductor resistance at 20°C | Current rating | | Cable weight | Standard length |
|----------------------|--------------|-----------|-------------------------|---------------------------|-----------------------|-------------------------|---------------------------|------------------|----------------------------------|-----------------------------|---------------------------------|-----------------|-----------------|
| Cross-sectional area | No. of wires | Diameter | | | | | | | | in free air at 40°C ambient | direct burial in ground at 30°C | | |
| mm ² | (Min.) | (Approx.) | mm (Nominal) | mm (Approx.) | mm (Approx.) | mm (Nominal) | mm (Nominal) | mm (Approx.) | Ω/km (Max.) | A | A | kg/km (Approx.) | m/drum |
| 1.5 | 7 | 1.53 | 0.7 | 1.0 | 10.0 | 0.8 | 1.8 | 16.0 | 12.1 | 22 | 28 | 420 | 500 |
| 2.5 | 7 | 1.98 | 0.7 | 1.0 | 11.5 | 1.3 | 1.8 | 18.0 | 7.41 | 29 | 38 | 610 | 500 |
| 4 | 7 | 2.49 | 0.7 | 1.0 | 12.5 | 1.3 | 1.8 | 19.5 | 4.61 | 39 | 49 | 720 | 500 |
| 6 | 7 | 3.09 | 0.7 | 1.0 | 14.0 | 1.3 | 1.8 | 21.0 | 3.08 | 50 | 62 | 870 | 500 |
| 10 | 6 | 3.72 | 0.7 | 1.0 | 15.5 | 1.3 | 1.8 | 22.5 | 1.83 | 67 | 83 | 1,090 | 500 |
| 16 | 6 | 4.69 | 0.7 | 1.0 | 18.0 | 1.6 | 1.8 | 25.5 | 1.15 | 89 | 105 | 1,570 | 500 |
| 25 | 6 | 5.90 | 0.9 | 1.0 | 22.0 | 1.6 | 1.8 | 29.5 | 0.727 | 120 | 140 | 2,170 | 500 |
| 35 | 6 | 6.95 | 0.9 | 1.0 | 24.5 | 1.6 | 1.9 | 32.5 | 0.524 | 145 | 170 | 2,740 | 500 |
| 50 | 6 | 8.33 | 1.0 | 1.0 | 28.5 | 2.0 | 2.1 | 38.0 | 0.387 | 175 | 200 | 3,740 | 500 |
| 70 | 12 | 9.73 | 1.1 | 1.2 | 33.0 | 2.0 | 2.2 | 42.5 | 0.268 | 220 | 245 | 4,900 | 400 |
| 95 | 15 | 11.43 | 1.1 | 1.2 | 37.0 | 2.5 | 2.4 | 48.0 | 0.193 | 275 | 295 | 6,660 | 400 |
| 120 | 18 | 12.95 | 1.2 | 1.4 | 42.0 | 2.5 | 2.6 | 53.0 | 0.153 | 315 | 335 | 8,120 | 300 |
| 150 | 18 | 14.27 | 1.4 | 1.4 | 46.0 | 2.5 | 2.7 | 58.0 | 0.124 | 360 | 375 | 9,620 | 250 |
| 185 | 30 | 15.98 | 1.6 | 1.6 | 52.0 | 2.5 | 2.9 | 64.0 | 0.0991 | 410 | 420 | 11,750 | 200 |
| 240 | 34 | 18.47 | 1.7 | 1.6 | 58.5 | 2.5 | 3.1 | 71.0 | 0.0754 | 480 | 480 | 14,710 | 100 |
| 300 | 34 | 20.68 | 1.8 | 1.6 | 64.5 | 3.2 | 3.3 | 78.5 | 0.0601 | 550 | 535 | 18,660 | 100 |
| 400 | 53 | 23.39 | 2.0 | 1.8 | 72.5 | 3.2 | 3.6 | 87.5 | 0.0470 | 625 | 595 | 23,100 | 100 |