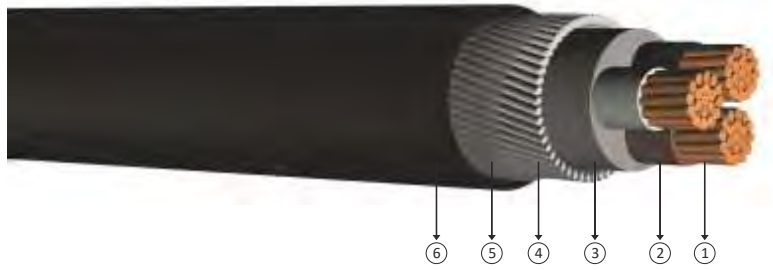


0,6/1 kV XLPE Insulated, round steel wire armoured, multi-core cables with copper conductor



Code: YXZ2V-U, YXZ2V-R, CU/XLPE/SWA/PVC, N2XRY

U: Solid Conductor
R: Stranded Conductor

Standards: IEC 60502-1

Technical Data

Max. operating temperature : 90°C
Max. short circuit temperature : 250°C (max. 5 sec.)
Rated voltage : 0,6/1 kV
Min. bending radius : 15 x D
D : Cable outer diameter

Application

These cables have a low dielectric loss, used in indoor and outdoor applications, in cable ducts, underground, in power or switching stations, local energy distributions, industrial plants, where there is risk of mechanical damage.

Construction

- 1 Solid or stranded copper conductor
- 2 XLPE insulation
- 3 Thermoplastic filler
- 4 Galvanized round steel wire
- 5 PP tape
- 6 PVC outer sheath

| DIMENSION AND WEIGHTS | | | | ELECTRICAL PROPERTIES | | |
|-----------------------|---------------------------|---------------------|-----------------|-------------------------------------|-------------------------------|----------------|
| Nominal Cross Section | Overall Diameter (approx) | Net Weight (approx) | Delivery Length | DC Conductor Resistance at 20°C Max | Current Carrying Capacity (A) | |
| mm ² | mm | kg/km | m | Ω/km | In ground at 20°C | In air at 30°C |
| 3x1,5 | 14,5 | 395 | 1000 | 12,1 | 30 | 24 |
| 3x2,5 | 15,5 | 460 | 1000 | 7,41 | 40 | 32 |
| 3x4 | 16,5 | 540 | 1000 | 4,61 | 52 | 42 |
| 3x6 | 17,8 | 640 | 1000 | 3,08 | 64 | 53 |
| 3x10 | 20,0 | 950 | 1000 | 1,83 | 86 | 73 |
| 3x16 | 22,0 | 1200 | 1000 | 1,15 | 111 | 96 |
| 3x25 | 26,0 | 1800 | 1000 | 0,727 | 143 | 130 |
| 3x35 | 28,0 | 2200 | 1000 | 0,524 | 173 | 160 |
| 3x50 | 31,0 | 2800 | 1000 | 0,387 | 205 | 195 |
| 3x70 | 36,5 | 4000 | 1000 | 0,268 | 252 | 247 |
| 3x95 | 40,5 | 5000 | 500 | 0,193 | 303 | 305 |
| 3x120 | 44,5 | 6050 | 500 | 0,153 | 346 | 355 |
| 3x150 | 50,0 | 7750 | 500 | 0,124 | 390 | 407 |
| 3x185 | 55,0 | 9300 | 500 | 0,0991 | 441 | 469 |
| 3x240 | 61,5 | 11650 | 250 | 0,0754 | 511 | 551 |
| 3x300 | 69,0 | 14000 | 250 | 0,0601 | 580 | 638 |
| 3x400 | 77,0 | 18000 | 250 | 0,0470 | 663 | 746 |

Note : Current carrying capacities are valid under the following conditions;
In ground : 20°C, 70 cm depth of lay, soil-thermal resistivity 1 K.m/W, load factor 0,7
In air : 30°C, load factor 1,0
Number of system : 1