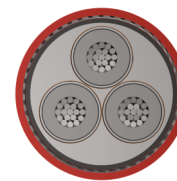
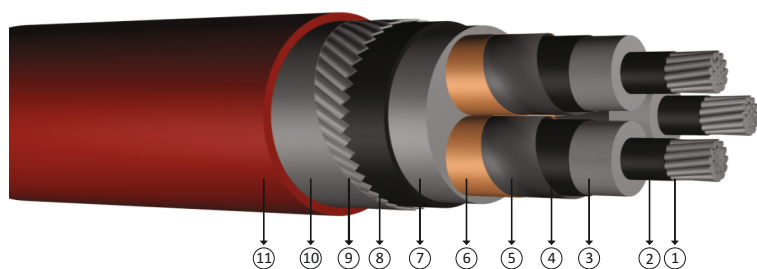


8.7/15 kV XLPE insulated flat steel wire armoured, three core cables with aluminium conductor



Code: YAXC8VZ3V-R, NA2XSEYFGY

R: Stranded Conductor Rigid

Standards: IEC 60502 - 2, VDE 0276 - 620

Technical Data

Max. operating temperature : 90 °C
 Max. short circuit temperature : 250 °C (max. 5 sec.)
 Rated voltage : 8.7/15 kV
 Min. bending radius : 15 x D
 D : Cable outer diameter

Application

These are cables with low dielectric losses used in energy networks with sudden load changes. Laid in residential or industrial areas, underground or in ducts.

Construction

- 1 Stranded aluminium conductor
- 2 Inner semi conductive layer
- 3 XLPE insulation
- 4 Outer semi conductive layer
- 5 Semi conductive tape
- 6 Copper screen
- 7 Filler
- 8 Inner sheath
- 9 Galvanized flat steel wire
- 10 Galvanized steel tape
- 11 PVC outer jacket

| DIMENSION AND WEIGHTS | | | | ELECTRICAL PROPERTIES | | | | |
|-----------------------|---------------------------|---------------------|-----------------|--------------------------------------|-------------------------------|--------------------------------|-------------------------------|-----------------|
| Nominal Cross Section | Overall Diameter (approx) | Net Weight (approx) | Delivery Length | DC Conductor Resistance at 20 °C Max | Operation Inductance (approx) | Operation Capacitance (approx) | Current Carrying Capacity (A) | |
| mm ² | mm | kg/km | m | ohm/km | mH/km | µF/km | In ground at 20 °C | In air at 30 °C |
| 3x35/16 | 56,0 | 4700 | 500 | 0,868 | 0,397 | 0,160 | - | - |
| 3x50/16 | 59,0 | 5200 | 500 | 0,641 | 0,377 | 0,175 | 162 | 160 |
| 3x70/16 | 63,0 | 5900 | 500 | 0,443 | 0,356 | 0,196 | 199 | 199 |
| 3x95/16 | 67,0 | 6750 | 500 | 0,320 | 0,339 | 0,218 | 238 | 242 |
| 3x120/16 | 71,0 | 7400 | 500 | 0,253 | 0,325 | 0,240 | 271 | 280 |
| 3x150/25 | 74,0 | 8150 | 500 | 0,206 | 0,315 | 0,258 | 304 | 318 |
| 3x185/25 | 78,0 | 9150 | 250 | 0,164 | 0,305 | 0,280 | 345 | 365 |
| 3x240/25 | 84,0 | 10500 | 250 | 0,125 | 0,292 | 0,315 | 401 | 431 |
| 3x300/25 | 89,0 | 11500 | 250 | 0,100 | 0,284 | 0,343 | 453 | 494 |
| 3x400/35 | 96,0 | 13900 | 250 | 0,0778 | 0,273 | 0,385 | 517 | 569 |

Note
 In ground : Current carrying capacities are valid under the following conditions;
 : 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