

8.7/15 kV XLPE INSULATED STEEL WIRE ARMoured THREE-CORE CABLES WITH ALUMINIUM CONDUCTOR

According to IEC 60502-2

Construction:

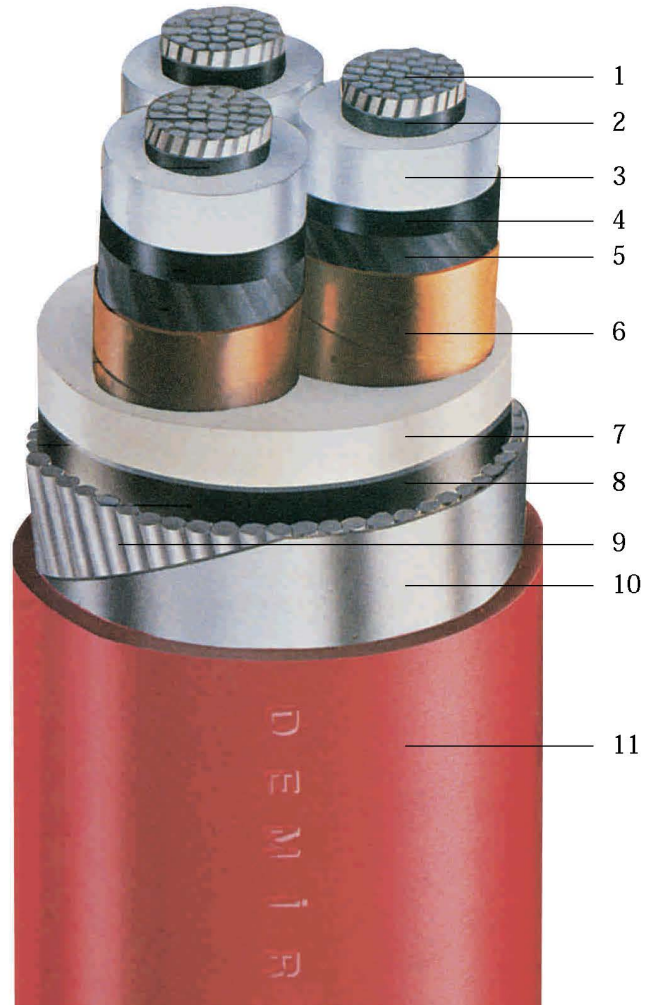
- 1-Aluminium conductor
- 2-Inner semi-conductive layer
- 3-XLPE insulation
- 4-Outer semi-conductive layer
- 5-Semi-conductive tape
- 6-Copper tape screen
- 7-Filling
- 8-PVC separation sheath
- 9-Galvanized round steel wire armour
- 10-Galvanized steel tape helix
- 11-PVC outer sheath

(VDE Code: A2XSEYRGbY)

Application:

Under heavy duty conditions, under ground, in power and switching stations, urban networks industrial plants, where there is a risk of mechanical damage.

Permissible operating temperature 90°C
Permissible short circuit temperature 250°C
(5 s max. duration)



| DIMENSIONS AND WEIGHTS | | | | | ELECTRICAL DATA | | | | | |
|------------------------|--------------------------|--------------------|--------------------------|--------------------|--|------------------------------|-------------------------------|----------------------------|--------|--|
| Nominal cross-section | Overall diameter approx. | Net weight approx. | Standard delivery length | Delivery reel size | Conductor dc resistance at 20°C (max.) | Operating inductance approx. | Operating capacitance approx. | Current carrying capacity* | | |
| | | | | | | | | in ground | in air | |
| mm ² | mm | kg/km | m | cm | ohm/km | mH/km | µF/km | A | A | |
| 3x 50/16 | 62.0 | 6240 | 500 | 221 | 0.641 | 0.38 | 0.19 | 162 | 160 | |
| 3x 70/16 | 66.0 | 7060 | 500 | 261 | 0.443 | 0.36 | 0.22 | 199 | 199 | |
| 3x 95/16 | 70.0 | 7850 | 500 | 261 | 0.320 | 0.34 | 0.24 | 238 | 242 | |
| 3x120/16 | 74.0 | 8650 | 500 | 261 | 0.253 | 0.33 | 0.27 | 271 | 280 | |
| 3x150/25 | 77.0 | 9430 | 500 | 261 | 0.206 | 0.32 | 0.29 | 304 | 318 | |
| 3x185/25 | 82.0 | 11140 | 250 | 221 | 0.164 | 0.31 | 0.31 | 345 | 365 | |
| 3x240/25 | 90.0 | 13330 | 250 | 261 | 0.125 | 0.30 | 0.34 | 401 | 431 | |
| 3x300/25 | 95.0 | 14850 | 250 | 261 | 0.100 | 0.29 | 0.38 | 453 | 494 | |
| 3x400/35 | 102.0 | 16970 | 250 | 281 | 0.0778 | 0.28 | 0.41 | 517 | 569 | |

* Please refer to Explanatory Notes.