

12/20 kV

XLPE INSULATED SINGLE CORE MEDIUM VOLTAGE POWER CABLES



**YXC7V(TSE) • N2XSY(VDE)
2XSY(IEC)
Cu/XLPE/CWS/PVC(BS)**

| | |
|------------------------|---|
| Code | YXC7V-R (TSE), N2XSY(VDE), 2XSY(IEC), Cu/XLPE/SC/PVC (BS) |
| Standarts | TS IEC 60502-2, VDE 0276 |
| Construction | Copper conductor, inner semiconductive layer, XLPE insulation, Outer semiconductive layer, semiconductive tape, copper wires screen, copper tape, Polyester tape, PVC outer sheath. |
| Application | Where there is mechanical heavy duties, underground, cable ducts, power distribution cabinets, city network, industrial builts |
| Technical Datas | Max. operating temperature 90 ° C Max. permissible short circuit temperature 250 °C, max. for 5 sec. Min. Bending radius 15*D D: overall diameter |

| Dimensions and Weights | | | | | Electrical Information | | | | | | | |
|------------------------|------------------|------------|--------------------------|-----------------------------|-----------------------------------|------------------------------------|------|--|-------------------------------------|-----|------------------|------|
| Nominal cross-section | Overall Diameter | Net weight | Standart delivery lenght | Standart delivery reel size | Conductor DC resistance at 20 ° C | Per conductor inductance (approx.) | | Operating apacitance (approx.) at 20 ° C | Current carrying capacity (approx.) | | | |
| (mm ²) | (mm) | (kg/km) | (m) | (cm) | (ohm/km) | (mH/km) | | (mikrofarad/km) | Ground (A) at 20 °C | | Air (A) at 30 °C | |
| | | | | | | ●●● | ●●● | | ●●● | ●●● | ●●● | ●●● |
| 1x35/16 rm | 27,0 | 950 | 1000 | 160 | 0,524 | 0,75 | 0,44 | 0,16 | 200 | 190 | 238 | 198 |
| 1x50/16 rm | 28,0 | 1100 | 1000 | 160 | 0,387 | 0,73 | 0,43 | 0,17 | 240 | 225 | 286 | 238 |
| 1x70/16 rm | 30,0 | 1300 | 1000 | 160 | 0,268 | 0,70 | 0,40 | 0,19 | 300 | 275 | 356 | 296 |
| 1x95/16 rm | 32,0 | 1600 | 1000 | 180 | 0,193 | 0,67 | 0,38 | 0,22 | 360 | 330 | 434 | 361 |
| 1x120/16 rm | 33,0 | 1850 | 1000 | 180 | 0,153 | 0,65 | 0,37 | 0,24 | 420 | 375 | 500 | 417 |
| 1x150/25 rm | 35,0 | 2300 | 1000 | 180 | 0,124 | 0,63 | 0,35 | 0,26 | 475 | 420 | 559 | 473 |
| 1x185/25 rm | 37,0 | 2600 | 1000 | 180 | 0,0991 | 0,61 | 0,34 | 0,28 | 542 | 470 | 637 | 543 |
| 1x240/25 rm | 39,0 | 3250 | 1000 | 200 | 0,0754 | 0,59 | 0,33 | 0,30 | 590 | 550 | 745 | 641 |
| 1x300/25 rm | 42,0 | 3950 | 1000 | 210 | 0,0601 | 0,57 | 0,32 | 0,33 | 620 | 586 | 846 | 735 |
| 1x400/35 rm | 45,0 | 4900 | 1000 | 220 | 0,0470 | 0,55 | 0,31 | 0,37 | 670 | 660 | 938 | 845 |
| 1x500/35 rm | 49,0 | 5900 | 500 | 180 | 0,0366 | 0,53 | 0,30 | 0,41 | 770 | 760 | 1040 | 950 |
| 1x630/35 rm | 52,0 | 7500 | 500 | 180 | 0,0283 | 0,51 | 0,29 | 0,45 | 850 | 840 | 1120 | 1040 |

rm:Stranded conductor