# 8.7/15 kV

## XLPE INSULATED SINGLE CORE GALVANIZED ROUND ALUMINYUM WIRE ARMOURED MEDIUM VOLTAGE POWER CABLES


**YXC7VY2V-R (TSE)**
**N2XSYR(AL)Y (VDE)**
**Cu/XLPE/SC/PVC/ AWA/PVC (BS)**

| | |
|---|---|
| **Code** | YXC7VY2V-R (TSE), N2XSYR(AL)Y (VDE), Cu/XLPE/SC/PVC/AWA/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 seperation sheath ,Aluminium round armoure wires, 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<br>Max. permissible short circuit temperature 250 °C, max. for 5 sec.<br>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 | |
| | | | | | | ●●● | ▲ | | ●●● | ▲ | ●●● | ▲ |
| 1x25/16 rm | 29.0 | 1050 | 1000 | 160 | 0,527 | 0,79 | 0,47 | 0,16 | 182 | 150 | 196 | 163 |
| 1x35/16 rm | 30.0 | 1150 | 1000 | 160 | 0,524 | 0,75 | 0,44 | 0,18 | 200 | 190 | 238 | 198 |
| 1x50/16 rm | 32.0 | 1350 | 1000 | 160 | 0,387 | 0,73 | 0,43 | 0,19 | 240 | 225 | 286 | 238 |
| 1x70/16 rm | 34.0 | 1600 | 1000 | 180 | 0,268 | 0,70 | 0,40 | 0,22 | 300 | 275 | 356 | 296 |
| 1x95/16 rm | 36.0 | 2000 | 1000 | 180 | 0,193 | 0,67 | 0,38 | 0,24 | 360 | 330 | 434 | 361 |
| 1x120/16 rm | 38.0 | 2250 | 1000 | 180 | 0,153 | 0,65 | 0,37 | 0,27 | 420 | 375 | 500 | 417 |
| 1x150/25 rm | 39.5 | 2700 | 1000 | 200 | 0,124 | 0,63 | 0,35 | 0,29 | 475 | 420 | 559 | 473 |
| 1x185/25 rm | 41.5 | 3100 | 1000 | 200 | 0,0991 | 0,61 | 0,34 | 0,31 | 542 | 470 | 637 | 543 |
| 1x240/25 rm | 44.0 | 3750 | 1000 | 200 | 0,0754 | 0,59 | 0,33 | 0,34 | 590 | 550 | 745 | 641 |
| 1x300/25 rm | 47.5 | 4500 | 1000 | 220 | 0,0601 | 0,57 | 0,32 | 0,38 | 620 | 586 | 846 | 735 |
| 1x400/35 rm | 51.5 | 5700 | 500 | 240 | 0,0470 | 0,55 | 0,31 | 0,41 | 670 | 660 | 938 | 845 |
| 1x500/35 rm | 55.0 | 6750 | 500 | 200 | 0,0366 | 0,53 | 0,30 | 0,46 | 770 | 760 | 1040 | 950 |
| 1x630/35 rm | 59.0 | 8150 | 500 | 220 | 0,0283 | 0,51 | 0,29 | 0,53 | 850 | 840 | 1120 | 1040 |

*rm:Stranded conductor*