

18/30 kV

XLPE INSULATED WITH ALUMINUM CONDUCTOR, SINGLE CORE MEDIUM VOLTAGE POWER CABLES



YAXC7V-R (TSE)
NA2XSY(VDE)
2AXSY(IEC)
Al/XLPE/SC/PVC(BS)

| | |
|-----------------------|--|
| Code | YAXC7V-R (TSE), NA2XSY(VDE), 2AXSY(IEC), Al/XLPE/SC/PVC (BS) |
| Standards | TS IEC 60502-2, VDE 0276 |
| Construction | Aluminum Conductor, Inner semi-conductor, XLPE insulation, Outer Semi-Conductor, Semi-Conductor Tape, Copper Shield, Copper Helix Tape, Polyester Tape, PVC Outer Sheath |
| Applications | Used in Under heavy operating conditions, Underground, Power centers, Switchgear, City networks, Industrial facilities, Underground and cable channel |
| Technical Data | Max. Operating Temp. 90°C Max. Short Circuit Temp. 250°C ,For Max. 5 Sec Min. Bending Radius 15*D D:Cable Overall Diameter (mm) |

| Dimensions and Weight | | | | | Electrical Informations | | | | | | | |
|-----------------------|------------------|------------|--------------------------|-----------------------------|---------------------------------------|----------------------------------|------|-----------------------------------|--------------------------------------|-----|---------------|-----|
| Nominal Cross Section | Overall Diameter | Net Weight | Standard Delivery Length | Standard Delivery Reel Size | Conductor DC (Max.) Resistance @20 °C | Inductance per conductor (Appr.) | | Operating Capacity (Appr.) @20 °C | Current Carrying Capacity In (Appr.) | | | |
| (mm ²) | (mm) | (kg/km) | (m) | (cm) | (ohm/km) | (mH/km) | | (µF/km) | Ground (A) @20°C | | Air (A) @30°C | |
| | | | | | | ●●● | ●● | | ●●● | ●● | ●●● | ●● |
| 1x35/16 rm | 33,0 | 1000 | 1000 | 160 | 0,868 | 0,77 | 0,49 | 0,12 | 160 | 135 | 185 | 154 |
| 1x50/16 rm | 34,0 | 1100 | 1000 | 180 | 0,641 | 0,75 | 0,47 | 0,14 | 195 | 175 | 215 | 184 |
| 1x70/16 rm | 36,0 | 1200 | 1000 | 180 | 0,443 | 0,71 | 0,44 | 0,15 | 235 | 210 | 270 | 230 |
| 1x95/16 rm | 38,0 | 1400 | 1000 | 180 | 0,320 | 0,69 | 0,42 | 0,17 | 280 | 255 | 325 | 280 |
| 1x120/16 rm | 39,0 | 1500 | 1000 | 180 | 0,253 | 0,66 | 0,41 | 0,18 | 320 | 290 | 375 | 324 |
| 1x150/25 rm | 40,0 | 1750 | 1000 | 180 | 0,206 | 0,64 | 0,4 | 0,19 | 352 | 320 | 425 | 368 |
| 1x185/25 rm | 42,0 | 1900 | 1000 | 200 | 0,1640 | 0,63 | 0,39 | 0,21 | 400 | 365 | 485 | 424 |
| 1x240/25 rm | 44,0 | 2200 | 1000 | 220 | 0,1250 | 0,60 | 0,37 | 0,23 | 460 | 425 | 570 | 502 |
| 1x300/25 rm | 47,0 | 2450 | 1000 | 240 | 0,1000 | 0,59 | 0,36 | 0,25 | 515 | 475 | 645 | 565 |
| 1x400/35 rm | 52,0 | 3000 | 1000 | 240 | 0,0788 | 0,57 | 0,35 | 0,28 | 570 | 540 | 735 | 660 |
| 1x500/35 rm | 56,0 | 3400 | 1000 | 240 | 0,0605 | 0,55 | 0,34 | 0,30 | 630 | 610 | 830 | 745 |
| 1x630/35 rm | 59,0 | 3900 | 1000 | 260 | 0,0469 | 0,52 | 0,33 | 0,33 | 720 | 690 | 945 | 850 |

rm : Stranded Conductor