

6/10 kV

**XLPE INSULATED, FLAT STEEL ROD SHIELD WITH ALUMINUM CONDUCTOR,
SINGLE CORE MEDIUM VOLTAGE POWER CABLES**



**YAXC8VZ3V-R (TSE),
NA2XSEYFGbY(VDE)**

| | |
|-----------------------|---|
| Code | YAXC8VZ3V-R (TSE), NA2XSEYFGbY(VDE) |
| Standards | TSE IEC 60502-2, Technical Specs, VDE 0276 |
| Construction | Aluminum Conductor, Inner semi-conductor, XLPE insulation, Outer Semi-Conductor, Semi-Conductor Tape, Copper Shield , PVC Filler, PVC Separator Sheath, Galvanized Flat Steel Rod Shield, Galvanized Steel Helix 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 *DD: 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 Resistance at 20 °C | Inductance per conductor (Appr.) | Operating Capacity (Appr.) at 20 °C | Current Carrying Capacity In (Appr.) | |
| (mm ²) | (mm) | (kg/km) | (m) | (cm) | (ohm/km) | (mH/km) | (µF/km) | Ground (A) at 20°C | Air (A) at 30°C |
| 3x35/16 rm | 50,0 | 3700 | 1000 | 240 | 0,868 | 0,38 | 0,22 | 140 | 133 |
| 3x50/16 rm | 53,0 | 4100 | 1000 | 240 | 0,641 | 0,36 | 0,24 | 160 | 150 |
| 3x70/16 rm | 57,0 | 4700 | 1000 | 260 | 0,443 | 0,34 | 0,27 | 195 | 190 |
| 3x95/16 rm | 61,0 | 5500 | 500 | 220 | 0,320 | 0,32 | 0,30 | 235 | 238 |
| 3x120/16 rm | 64,0 | 6100 | 500 | 220 | 0,253 | 0,31 | 0,33 | 275 | 274 |
| 3x150/25 rm | 68,0 | 6700 | 500 | 220 | 0,206 | 0,30 | 0,36 | 305 | 309 |
| 3x185/25 rm | 72,0 | 7700 | 500 | 240 | 0,1640 | 0,29 | 0,39 | 345 | 354 |
| 3x240/25 rm | 77,0 | 9000 | 500 | 240 | 0,1250 | 0,28 | 0,44 | 410 | 415 |
| 3x300/25 rm | 83,0 | 10500 | 250 | 220 | 0,1000 | 0,27 | 0,48 | 460 | 500 |
| 3x400/35 rm | 90,0 | 12000 | 250 | 220 | 0,0788 | 0,26 | 0,53 | 520 | 560 |

rm : Stranded Conductor