



TFXP (N1XEV-AS/AR)

Power cable 0,6/1 kV with Al conductors, XLPE insulated and HDPE sheathed, with protective PVC outer sheath

APPLICATION

This cable is used as a power distribution cable in power stations, industrial installations and switch-gears as well as in local mains. For fixed installation underground, in interior premises, cable ducts, in the open air, in water- as permitted by the local building regulations- under severe mechanical stressing during installation and operation.

TECHNICAL CHARACTERISTICS

Test voltage: 4 Kv
 Rated voltage: 0,6/1 kV
 Bending radius (min): multicore - 12D
 Min. laying temperature: -5°C
 Max. working temperature: 90°C
 Max. short-circuit temperature: 250°C
 Fire properties: EN 60332-1-2

CONSTRUCTION

Conductors: . Cu, class 2 according to EN 60228
 Insulation: : XLPE compound DIX 3
 Bedding: Extruded elastomere or plastomere compound or plastic tape
 Inner sheath: HDPE compound
 Sheath: PVC compound, green color

STANDARD

HD 603 S1, p.5M, IEC 60502-1

CORE IDENTIFICATION

According to HD 308 S2

Insulation Color:

4-core (a): ● Green/Yellow ● Brown ● Black ● Grey
 4-core (b): ● Blue ● Brown ● Black ● Grey
 5-core: ● Green/Yellow ● Blue ● Brown ● Black ● Grey

Outer Sheath Colour:

● Green

Other colours available on request

CERTIFICATION



| NOMINAL CROSS-SECTION | CONDUCTOR CONSTRUCTION | MAX. RESISTANCE AT 20°C | NOM. THICKNESS OF INSULATION | NOM. THICKNESS OF PE SHEAT | CURRENT CAPACITY IN AIR | CURRENT CAPACITY IN EARTH | OUTER DIAM. (APPROX.) | METAL WEIGHT | CABLE WEIGHT (APPROX.) |
|-----------------------|------------------------|-------------------------|------------------------------|----------------------------|-------------------------|---------------------------|-----------------------|--------------|------------------------|
| mm ² | | Ω/km | mm | mm | A | A | mm | kg/km | kg/km |
| 4x25 | 1,200 | 0,90 | 1,50 | 1,40 | 102 | 112 | 24,5 | 290 | 603,2 |
| 4x50 | 0,641 | 1,00 | 1,70 | 1,40 | 149 | 158 | 31,2 | 580 | 1019,7 |
| 4x95 | 0,320 | 1,10 | 2,00 | 1,50 | 234 | 234 | 39,7 | 1102 | 1738,5 |
| 4x150 | 0,206 | 1,40 | 2,00 | 1,60 | 311 | 300 | 48,6 | 1740 | 2606,0 |
| 4x240 | 0,125 | 1,70 | 2,00 | 1,80 | 427 | 398 | 59,0 | 2784 | 3924,3 |

