



## 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: . Al, 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*



| NOMINAL<br>CROSS-SEC-<br>TION | CONDUCTOR<br>CONSTRUC-<br>TION | MAX.<br>RESISTANCE<br>AT 20°C | NOM.<br>THICKNESS OF<br>INSULATION | NOM.THICK-<br>NESS OF PE<br>SHEAT | CURRENT<br>CAPACITY<br>IN AIR | CURRENT<br>CAPACITY IN<br>EARTH | OUTER DIAM.<br>(APPROX.) | METAL<br>WEIGHT | CABLE<br>WEIGHT<br>(APPROX.) |
|-------------------------------|--------------------------------|-------------------------------|------------------------------------|-----------------------------------|-------------------------------|---------------------------------|--------------------------|-----------------|------------------------------|
| mm <sup>2</sup>               |                                | 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                       |

