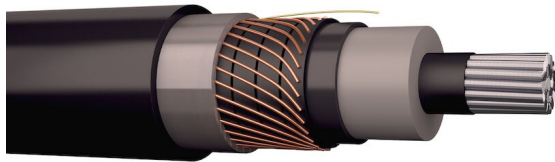


AXQJ-TT PURE 6/10(12) KV

Halogen-free totally sealed power cable



DESCRIPTION

Halogen-free, flame retardant and self-extinguishing in case of fire. Smoke in the event of fire is limited, transparent (to facilitate evacuation) and not harmful to electronic equipment. Radial and longitudinal water sealed distribution cable for use indoors and outdoors for 3-phase formation. Installation in pipes and ground. Ploughing down is not recommended. Ripcords for easier and safer stripping of the outer sheath.

STANDARDS, CERTIFICATIONS AND APPROVALS



CENELEC HD 620 Part 10 Section K
CENELEC HD 620 Part 10 Section M

Harmonized construction standard
Harmonized construction and testing standard

| | |
|---|---|
| Conductor material | Aluminium |
| Core insulation material | XLPE |
| Screen construction | Wire screen |
| Material outer sheath | Low smoke zero halogen |
| Laminated sheath | Yes |
| Longitudinal water blocking screen | Yes |
| Rip cord | Yes |
| Rated voltage U ₀ /U (Um) | 6/10 (12) kV |
| Test voltage [kV] | 30 |
| Halogen free | Yes |
| Reaction-to-fire class (acc. EN 13501-6) | Dca |
| Smoke development class (acc. EN 13501-6) | s2 |
| Euro class flaming droplets/particles (acc. EN 13501-6) | d2 |
| Euro class acidity (acc. EN 13501-6) | a1 |
| Max. conductor temperature | 90 |
| Min. outer temperature during installation [°C] | -20 |
| Permitted cable outer temperature after assembling without vibration (min) [°C] | -60 |
| Cable marking example | AXQJ-TT Pure TSLI 12kV 1x240 AFR/35 D-s2d2a1 Prysmian "Date and time", metre marked |
| Bending radius (rule) | During installation: 15xD Cable ploughing: 8xD Fixed installation: 10xD |

PRODUCT DATA

| Item name | External article code | SAP code | Cable weight [kg/km] | Packaging |
|---------------------------------|-----------------------|----------|----------------------|-----------|
| AXQJ-TT Pure TSLI 1x50/16 12kV | | 20218299 | 750 | K12 |
| AXQJ-TT Pure TSLI 1x95/25 12kV | | 20218371 | 1,040 | K12 |
| AXQJ-TT Pure TSLI 1x150/25 12kV | | 20218373 | 1,280 | K14 |
| AXQJ-TT Pure TSLI 1x185/35 12kV | | 20218374 | 1,310 | K14 |
| AXQJ-TT PURE 1X240/35 12KV500 | 0080125 | 20218375 | 1,730 | K16 |
| AXQJ-TT Pure TSLI 1x300/35 12kV | | 20344402 | 1,790 | K16 |
| AXQJ-TT Pure TSLI 1x400/35 12kV | | 20218377 | 2,340 | K18 |
| AXQJ-TT Pure TSLI 1x500/35 12kV | | 20218378 | 2,450 | K18 |
| AXQJ-TT PURE 1X630/35 12KV500 | 0080135 | 20218379 | 3,300 | K20 |
| AXQJ-TT Pure TSLI 1x800/50 12kV | | 20218380 | 3,850 | K22 |

ELECTRICAL DATA

| Product name | Conductor diameter [mm] | Diameter over insulation [mm] | Outer diameter [mm] | Nominal operation capacitance [nF/km] | Conductor resistance at 20° C [Ohm/km] | Screen DC resistance [Ohm/km] |
|-----------------------------------|-------------------------|-------------------------------|---------------------|---------------------------------------|--|-------------------------------|
| AXQJ-TT Pure TSLI 1x50/16 12kV | 8 | 16 | 24 | 250 | 0.641 | 1.15 |
| AXQJ-TT Pure TSLI 1x95/25 12kV | 11.3 | 18.6 | 27 | 320 | 0.32 | 0.727 |
| AXQJ-TT Pure TSLI 1x150/25 12kV | 14.2 | 21.6 | 29 | 380 | 0.206 | 0.727 |
| AXQJ-TT Pure TSLI 1x185/25 12kV | 15.3 | 23.2 | 31 | 410 | 0.164 | 0.524 |
| AXQJ-TT PURE 1X240/35 6/10(12) KV | 18 | 25.3 | 33 | 460 | 0.125 | 0.524 |
| AXQJ-TT Pure TSLI 1x300/35 12kV | 20.5 | 27.9 | 37 | 500 | 0.1 | 0.524 |
| AXQJ-TT Pure TSLI 1x400/35 12kV | 23.7 | 31.1 | 40 | 570 | 0.0778 | 0.524 |
| AXQJ-TT Pure TSLI 1x500/35 12kV | 26.6 | 34 | 43 | 640 | 0.0605 | 0.524 |
| AXQJ-TT PURE 1X630/35 12KV | 30.3 | 37.9 | 47 | 640 | 0.0469 | 0.524 |
| AXQJ-TT Pure TSLI 1x800/50 12kV | 30.3 | 34.6 | 50 | 790 | 0.0367 | 0.387 |

Nominal values unless otherwise specified.

Screen resistance refers to combination of copper wires and aluminum tape.

ELECTRICAL DATA CONT.

| Product name | Short circuit current conductor (Isec) [kA] | Short circuit current screen (Isec) [kA] |
|-----------------------------------|---|--|
| AXQJ-TT Pure TSLI 1x50/16 12kV | 4.7 | 2.56 |
| AXQJ-TT Pure TSLI 1x95/25 12kV | 8.9 | 4 |
| AXQJ-TT Pure TSLI 1x150/25 12kV | 14.2 | 4 |
| AXQJ-TT Pure TSLI 1x185/25 12kV | 17.5 | 4 |
| AXQJ-TT PURE 1X240/35 6/10(12) KV | 22.7 | 5.6 |
| AXQJ-TT Pure TSLI 1x300/35 12kV | 28.3 | 5.6 |
| AXQJ-TT Pure TSLI 1x400/35 12kV | 37.8 | 5.6 |
| AXQJ-TT Pure TSLI 1x500/35 12kV | 47.2 | 5.6 |
| AXQJ-TT PURE 1X630/35 12KV | 59.5 | 5.6 |
| AXQJ-TT Pure TSLI 1x800/50 12kV | 75.6 | 8 |