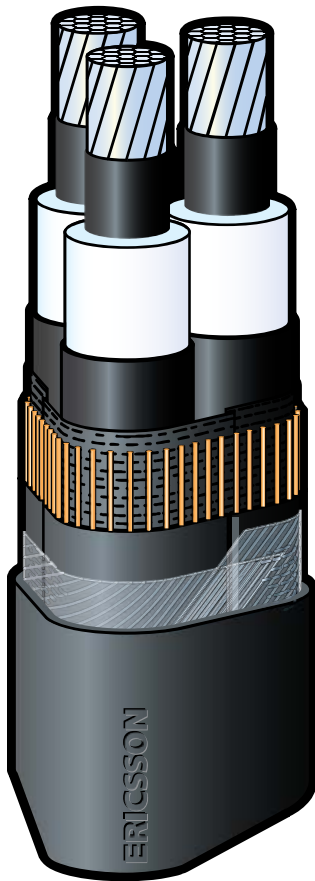


AXCEL-LT, AXCEK-LT 6/10(12)kV

Product information



Application

For installation above or direct in the ground or in ducting, can even be used in water. Installation friendly even at lower temperatures. AXCEK-LT is designed for installations that require higher fire resistance. AXCEK-LT and the alternative with a halogen free sheath weigh approx 10% more than the weights given in the table.

Design SS 424 14 16, IEC 502

Conductor

Aluminium, stranded compacted round. Longitudinally watertight.

Conductor shield

Extruded, semi conducting.

Insulation

Dry cured XLPE.

Insulation shield

Extruded, semi conducting, easy strip.

Screen

A separate screen band for each Conductor that follows the lay of the cable, made of annealed copper wires that are embedded in a conductive and corrosion protective rubber material.

Sheath

Black PE (AXCEL.-LT) or PVC (AXCEK-LT), metre marked.

Operating voltage

Max 12kV.

Operating temperature

Max 90°C.

Fire class

AXCEL-LT-F1.

AXCEK-LT - IEC 332-3 cat C .

Special design of AXCEK-LT fire class IEC 332-3 cat B

Halogen free alternative with fire class IEC 332-3 cat C.

Technical data

AXCEL-LT, AXCEK-LT 6/10(12)kV

| Conductors x size (mm ²) | Diameter, nom. (mm) | | | Weight/100m (kg) | Min. bend. radius (mm) |
|---|---------------------|------------|--------|---------------------|---------------------------|
| | Conductor | Insulation | Sheath | | |
| 3 x 25/16 | 5,9 | 13,4 | 38,5 | 111/- | 308 |
| 3 x 50/16 | 7,8 | 15,5 | 43,4 | 140/160 | 348 |
| 3 x 95/16 | 11,2 | 18,7 | 51 | 202/227 | 408 |
| 3 x 150/25 | 14,0 | 21,5 | 57,3 | 266/288 | 456 |
| 3 x 240/25 | 18,0 | 26 | 66,7 | 370/405 | 533 |

| Conductors x size (mm ²) | Resistance (Ω/km) | | Inductance (mH/km) | Capacitance (μF/km) | Earth fault Current (A/km) |
|---|-------------------|--------|-----------------------|------------------------|----------------------------------|
| | Conductor | Screen | | | |
| 3 x 25/16 | 1,20 | 1,2 | 0,37 | 0,18 | 1,15 |
| 3 x 50/16 | 0,641 | 1,2 | 0,33 | 0,22 | 1,44 |
| 3 x 95/16 | 0,320 | 1,2 | 0,30 | 0,28 | 1,82 |
| 3 x 150/25 | 0,206 | 0,8 | 0,28 | 0,33 | 2,17 |
| 3 x 240/25 | 0,125 | 0,8 | 0,27 | 0,40 | 2,63 |

Ordering Information

| AXCEL-LT 6/10(12)kV | | | | | AXCEK-LT 6/10(12)kV | | | | |
|---|---------------|-------------|--------------|-------------------------|---|---------------|-------------|--------------|-------------------------|
| Conductors x Area (mm ²) | length (m) | E number | Drum size | Total weight (kg) | Conductors x Area (mm ²) | length (m) | E number | Drum size | Total weight (kg) |
| 3 x 25/16 | 0-950 | E 00 735 00 | - | - | 3 x 50/16 | 0-450 | E 00 740 10 | - | - |
| | 1000 | E 00 735 06 | K22 | 1521 | | 500 | E 00 740 15 | K18 | 1030 |
| 3 x 50/16 | 0-450 | E 00 735 10 | - | - | 3 x 95/16 | 0-450 | E 00 740 20 | - | - |
| | 500 | E 00 735 15 | K18 | 930 | | 500 | E 00 740 25 | K20 | 1475 |
| 3 x 95/16 | 0-450 | E 00 735 20 | - | - | 3 x 150/25 | 0-450 | E 00 740 30 | - | - |
| | 500 | E 00 735 25 | K20 | 1350 | | 500 | E 00 740 35 | K22 | 1850 |
| 3 x 150/25 | 0-450 | E 00 735 30 | - | - | 3 x 240/25 | 0-450 | E 00 740 40 | - | - |
| | 500 | E 00 735 35 | K22 | 1740 | | 250 | E 00 740 44 | K20 | 1350 |
| 3 x 240/25 | 0-450 | E 00 735 40 | - | - | | 500 | E 00 740 45 | K24 | 2475 |
| | 250 | E 00 735 44 | K20 | 1265 | | | | | |
| | 500 | E 00 735 45 | K24 | 2300 | | | | | |

We reserve the right for alterations due to continual product development and/or changes in standards.