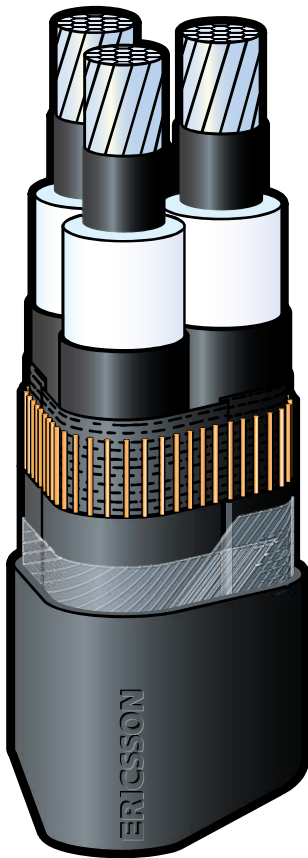


# AXCEL-LT, AXCEK-LT 12/20(24)kV

## 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

Aluminum, 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),  
meter marked

### Operating voltage

Max 24kV

### Operating temperature

Max 90°C

### Fire resistance

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 12/20(24)kV

Conductors x Area (mm <sup>2</sup> )	Diameter, nom. (mm)			Weight/100m (kg)	Min. bend. radius (mm)
	Conductor	Insulation	Sheath		
3 x 25/16	5.9	17,4	50,3	146/-	402
3 x 50/16	8.0	21	52	186/204	416
3 x 95/16	11.3	23	57	253/289	456
3 x 150/25	14.1	26	66	328/355	528
3 x 240/25	18.2	30	74	435/483	592

Conductors x Area (mm <sup>2</sup> )	Resistance (Ω/km)		Inductance (mH/km)	Capacitance (μF/km)	Earth fault Current (A/km)
	Conductor	Screen			
3 x 25/16	0.727	1.2	0.42	0.13	1.64
3 x 50/16	0.641	1.2	0.37	0.16	2.0
3 x 95/16	0.320	1.2	0.34	0.19	2.5
3 x 150/25	0.206	0.8	0.32	0.23	2.9
3 x 240/25	0.125	0.8	0.29	0.27	3.51

## Ordering Information

### AXCEL-LT 12/20(24)kV

### AXCEK-LT 12/20(24)kV

AXCEL-LT 12/20(24)kV					AXCEK-LT 12/20(24)kV				
Conductors	Length		Drum	Tot. weight	Conductors	Del.length		Drum	Tot. weight
x Area (mm <sup>2</sup> )	(m)	E number	size	(kg)	x size (mm <sup>2</sup> )	(m)	E no.	Drum	(kg)
3x25/16	0-450	E00 735 50	-	-	3 x 50/16	0-450	E 00 740 60	-	-
	500	E00 735 55	K20	1070					
3 x 50/16	0-450	E 00 735 60	-	-	3 x 50/16	500	E 00 740 65	K22	1430
	500	E 00 735 65	K22	1340					
3 x 95/16	0-450	E 00 735 70	-	-	3 x 95/16	0-450	E 00 740 70	-	-
	500	E 00 735 75	K24	1715		500	E 00 740 75	K24	1895
3 x 150/25	0-450	E 00 735 80	-	-	3 x 150/25	0-450	E 00 740 80	-	-
	500	E 00 735 85	K24	2090		500	E 00 740 85	K24	2225
3 x 240/25	0-450	E 00 735 90	-	-	3 x 240/25	0-450	E 00 740 90	-	-
	250	E 00 735 94	K22	1500		250	E 00 740 94	K22	1620
	500	E 00 735 95	K26	3075		500	E 00 740 95	K26	3315

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