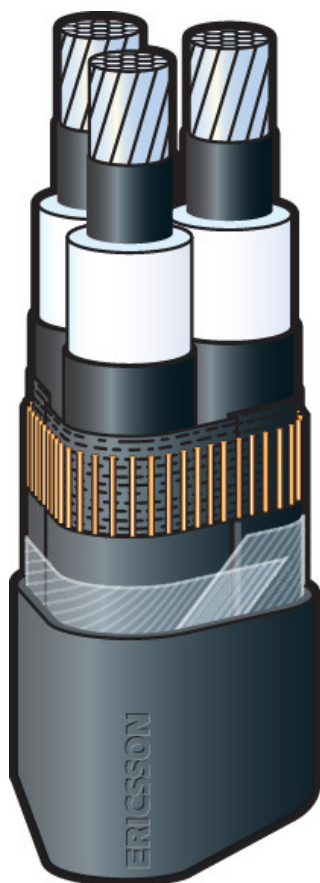


AXCEL-LT, AXCEK-LT 6/10(12) kV

Product Information



Application

For installation above or direct in the ground or in ducting, can even be used in water. Easy handling even at lower temperatures. AXCEK-LT is designed for installations that require higher fire resistance

Standards

HD 620 S2:2010 Part 10, Section M

Conductor

Aluminum, stranded compacted round. Longitudinally watertight.

Conductor screen

Extruded, semi conducting.

Insulation

Dry cured XLPE nominal thickness 3.4 mm.

Insulation screen

Extruded, semi conducting, easy strip.

Metallic 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.

Outer sheath

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

Fire resistance

AXCEL-LT, F1.

AXCEK-LT, IEC 332-3 cat C.

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



Technical data

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

Max. conductor temperature +90 °C

Conductors x size (mm ²)	Diameter, nom. (mm)			AXCEL/AXCEK Weight/100m (kg)	Min. bending radius		Max. pulling tension	
	Conductor	Insulation	Sheath		Laying (mm)	Static (mm)	Conductors kN	Cable stocking kN
3x25/16	5.9	14	39	110/ -	468	312	2.2	7.6
3x50/16	8.0	16	43	142/162	516	344	4.5	9.2
3x95/25	11.2	19	51	203/227	612	408	8.6	13.0
3x150/25	14.0	22	57	266/288	684	456	13.5	16.2
3x240/35	18.0	26	66	373/405	792	528	21.6	21.8

Conductors x size (mm ²)	Resistance (Ω/km)		Inductance mH/km	Capacitance μF/km	Earth fault Current A/km	Max. short circuit (1 s)	
	Conductor	Screen				Conductor kA	Screen kA
3x25/16	1.20	1.2	0.37	0.18	1.2	2.4	3.2
3x50/16	0.641	1.2	0.33	0.22	1.5	4.7	3.2
3x95/25	0.320	0.8	0.30	0.28	1.9	9.0	5.0
3x150/25	0.206	0.8	0.28	0.33	2.3	14.2	5.0
3x240/35	0.125	0.6	0.27	0.40	2.8	22.7	7.0

Ordering Information

AXCEL-LT 6/10(12) kV

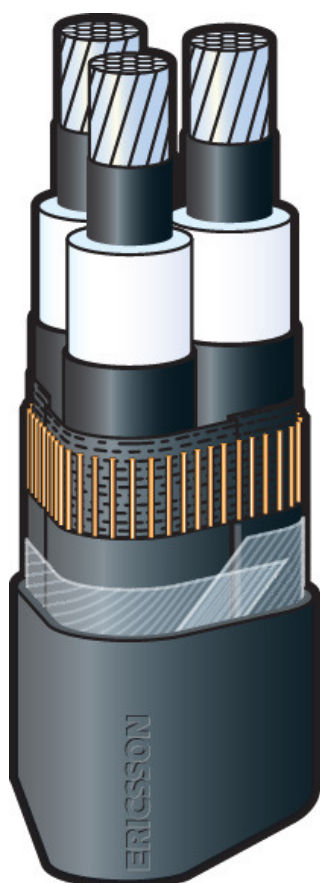
AXCEK-LT 6/10(12) kV

Conductors x Area (mm ²)	length (m)	Order no.	Drum size	Total weight (kg)	Conductors x Area (mm ²)	length (m)	Order no.	Drum size	Total weight (kg)
3x25/16	1000	TJX 71389	K22	1521					
3x50/16	500	TJX 71392	K18	930	3x50/16	500	TJX 713106	K18	1030
3x95/25	500	TJX 713148	K20	1355	3x95/25	500	TJX 713170	K20	1475
3x150/25	500	TJX 71394	K22	1740	3x150/25	500	TJX 713103	K22	1850
3x240/35	500	TJX 713147	K24	2315	3x240/35	500	TJX 713169	K24	2475

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

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. Easy handling even at lower temperatures. AXCEL-LT is designed for installations that require higher fire resistance.

Standards

HD 620 S2:2010 Part 10 Section M

Conductor

Aluminum, stranded compacted round
Longitudinally watertight.

Conductor screen

Extruded, semi conducting

Insulation

Dry cured XLPE nominal thickness 5.5 mm.

Insulation screen

Extruded semi conducting, easy strip

Metallic 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

Outer sheath

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

Fire resistance

AXCEL-LT-F1

AXCEK-LT - IEC 332-3 cat C.

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



Technical data

AXCEL-LT, AXCEK-LT 12/20(24) kV				Max. conductor temperature +90 °C				
Conductors x size (mm ²)	Diameter, nom. (mm)			AXCEL/AXCEK Weight/100m (kg)	Min. bending radius		Max. pulling tension	
	Conductor	Insulation	Sheath		Laying (mm)	Static (mm)	Conductors kN	Cable stocking kN
3x50/16	8.0	19,5	52	186/204	624	416	4.5	13,5
3x95/25	11.2	22,7	57	258/304	684	456	8.6	16,2
3x150/25	14.0	25,5	66	328/355	792	528	13.5	21,7
3x240/35	18.0	29,5	74	445/513	888	592	21.6	27,3

Conductors x size (mm ²)	Resistance (Ω/km)		Inductance mH/km	Capacitance μF/km	Earth fault Current A/km	Max. short circuit (1 s)	
	Conductor	Screen				Conductor kA	Screen kA
3x50/16	0.641	1.2	0,37	0,16	2,02	4.7	3.2
3x95/25	0.320	0.8	0,34	0,19	2,50	9.0	5.0
3x150/25	0.206	0.8	0,32	0,23	2,94	14.2	5.0
3x240/35	0.125	0.6	0,29	0,27	3,51	22.7	7.0

Ordering Information

AXCEL-LT 12/20(24) kV					AXCEK-LT 12/20(24) kV				
Conductors x Area (mm ²)	Length (m)	Order no.	Drum size	Tot. weight (kg)	Conductors x size (mm ²)	Length (m)	Order no.	Drum	Tot. weight (kg)
3x50/16	500	TJX 71398	K22	1340	3x50/16	500	TJX 713110	K22	1430
3x95/25	500	TJX 713149	K24	1740	3x95/25	500	TJX 71332	K24	1970
3x150/25	500	TJX 713100	K24	2090	3x150/25	500	TJX 713108	K24	2225
3x240/35	500	TJX 713151	K26	3125	3x240/35	500	TJX 71334	K26	3465

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