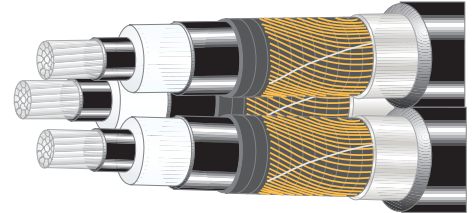


AXLJ-TTCL TSLF 6/10 (12) kV


Application fields

Suitable for cable ducts, outdoors, underground and in water.

Standard

CENELEC HD 620 Part 5 Section K

Fire propagation class

The PE-jacket is not flame-resistant

Temperature range

In continuous operation max. conductor temperature: 90 °C

Lowest temperature during installation: -20 °C, and below 0 °C special precaution shall be taken

Surge tension

75 kV

Bending radius

At laying: 15 x D

When installed: 10 x D

D = Overall diameter of cable

Design

Conductor:	Stranded, round and compacted aluminium acc. to IEC 60228 class 2, longitudinal water sealed
Conductor screen:	Extruded
Insulation:	XLPE, nominal thickness = 3,4 mm
Insulation screen:	Extruded bonded
Longitudinal water sealing:	Semiconductive waterblocking tape
Concentric conductor:	Annealed copper wires
Radial water sealing:	Aluminium foil bonded tightly to sheath
Sheath:	LLDPE, natural
Semiconductive layer:	Extruded bonded to the outer sheath, black
Laying up:	Three cores are stranded together
Marking e.g.:	AXLJ-TTCL TSLF 12kV 1x240 AFR/35 DRAKA 11 "year"

Number of cores x cross-section of conductor mm ²	Diameter over insulation mm	Single cable diameter (approx.) mm	Complete cable diameter (approx.) mm	Weight (approx.) kg/100 m	Standard delivery length m	Standard drum size
3x1x50/16	16,2	24	52	185	500	K20
3x1x120/16	20,8	27	62	330	500	K24
3x1x240/25	26,3	35	75	435	500	K26

Elektrical data at +20°C

Numbers of cores x cross-section mm ²	Resistance of conductor Ω/km	Resistance of screen Ω/km	Inductans mH/km	Reactance Ω/km	Capacitans μF/km	Charging current/phase A/km
3x1x50/16	0,641	1,2	0,43	0,14	0,23	1,5
3x1x120/16	0,253	1,2	0,34	0,11	0,32	2,0
3x1x240/25	0,125	0,8	0,33	0,10	0,42	2,9

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Current rating

Number of cores x cross-section of conductor mm ²	Current rating at core temp. 65 °C in ground* A	Current rating at core temp. 65 °C in air* A	Current rating at core temp. 90 °C in air* A	Max. short-circuit current on the conductor during 1 s at initial temp. 65 °C kA	Max. short-circuit current on the conductor during 1 s at initial temp. 90 °C kA
3x1x50/16	155	160	195	5,1	4,7
3x1x120/16	265	265	325	12,2	11,3
3x1x240/25	385	400	490	24,4	22,7

Nominal values unless otherwise specified.

The ratings are based on the following conditions

- maximum conductor temperature 90 °C
- ground temperature 15 °C
- air temperature 25 °C
- thermal resistivity of soil 1,0 °C m/W
- depth of burial, to centre of cable 0,65 m
- frequency 50 Hz