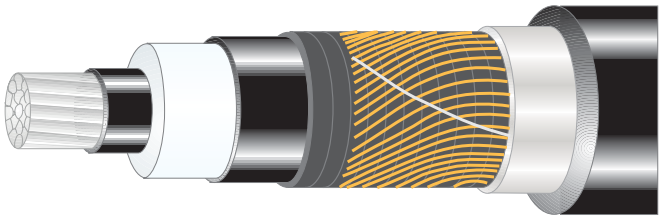
Draka

Energy & Infrastructure | Europe

AXLJ-TT TSLE 14/24 kV



Application fields
Single-core, distribution cable for outdoors use in 3-phase formation. Installation in pipes and ground/water. Both radial and longitudinal water sealed. Can be ploughed down.

Alternative designation
SE-N2OXC7A5T5E-AR

Standard
CENELEC HD 620 Part 5 Section K

Fire propagation class
F1 acc. to SS 424 14 75

Temperature range
In continuous operation
max. conductor temp 90 °C.
Lowest cable temperature under installation: -20 °C and below 0 °C special precaution shall be taken.

Material declaration
AXLJ-TT

Impulse voltage
125 kV

Bending radius
At fixed mounting: 10 x D
At pulling-in: 15 x D
At ploughing-down: 8 x D

Design

Conductor:	Stranded, round and compacted aluminium acc. to IEC 60228 class 2, longitudinal water sealed
Conductor screen:	Extruded
Insulation:	XLPE, min. thickness = 4,85 mm
Insulation screen:	Extruded bonded
Longitudinal water sealing:	Swellable conducting tape
Concentric conductor:	Annealed copper wires
Radial water sealing:	Aluminium-PE laminate
Sheath:	LLD PE, black
Marking e.g.:	AXLJ-TT TSLE 24kV 1x150 AFR/25 DRAKA "Year", metre marked

Number of cores x cross-section of conductor mm²	Diameter over insulation mm	Overall diameter (approx.) mm	Weight (approx.) kg/100 m	Standard delivery length m	Standard drum size	E-nr
1x50/16	20,4	27,7	70,6	500	K12	1205011702
1x95/16	23,7	31,2	98,5	500	K12	1205011902
1x150/25	26,6	34,3	120,5	500	K14	1205012102
1x240/25	30,5	38,6	165,2	500	K16	1205012302

Electrical data at +20 °C

Number of cores x cross-section of conductor mm²	Conductor resistance Ω/km	Screen resistance Ω/km	Inductance in trefoil/in plane* mH/km	Reactance Ω/km	Capacitance µF/km	Charging current A/km
1x50/16	0,641	1,2	0,44/0,74	0,23	0,17	2,2
1x95/16	0,320	1,2	0,39/0,67	0,21	0,20	2,6
1x150/25	0,206	0,8	0,37/0,63	0,20	0,24	3,2
1x240/25	0,125	0,8	0,34/0,59	0,19	0,29	3,8

*Cable distance, installation in plane = 70 mm

Draka Kabel Sverige AB. Vi reserverar oss för förändringar till följd av den löpande produktutvecklingen och/eller eventuella normförändringar.

Electrical data

Number of cores x cross-section of conductor mm²	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. 70 °C kA	Max. short-circuit current on the conductor during 1 s at initial temp. 90 °C kA
1x50/16	170	165	205	5,1	4,7
1x95/16	250	255	310	9,7	9,0
1x150/25	315	325	395	15,3	14,2
1x240/25	395	420	515	24,4	22,7

*Trefoil with screen grounded in both ends

Nominal values unless otherwise specified.

Draka Kabel Sverige AB. Vi reserverar oss för förändringar till följd av den löpande produktutvecklingen och/eller eventuella normförändringar.