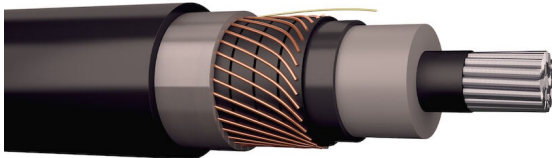


AXQJ-TT PURE 12/20(24) KV

Halogen-free totally sealed power cable



DESCRIPTION

Halogen-free, flame retardant and self-extinguishing in case of fire. Smoke in the event of fire is limited, transparent (to facilitate evacuation) and not harmful to electronic equipment. Radial and longitudinal water sealed distribution cable for use indoors and outdoors for 3-phase formation. Installation in pipes and ground. Ploughing down is not recommended. Ripcords for easier and safer stripping of the outer sheath.

STANDARDS, CERTIFICATIONS AND APPROVALS



CENELEC HD 620 Part 10 Section K
CENELEC HD 620 Part 10 Section M
SS 424 14 16

Harmonized construction standard
Harmonized construction and testing standard
Construction standard 12-36 kV

Conductor material	Aluminium
Core insulation material	XLPE
Screen construction	Aluminium tape and copper wire
Material outer sheath	Low smoke zero halogen
Laminated sheath	Yes
Longitudinal water blocking screen	Yes
Rip cord	Yes
Rated voltage U ₀ /U (U _m)	12/20 (24) kV
Test voltage [kV]	50
Halogen free	Yes
Reaction-to-fire class (acc. EN 13501-6)	Dca
Smoke development class (acc. EN 13501-6)	s2
Euro class flaming droplets/particles (acc. EN 13501-6)	d2
Euro class acidity (acc. EN 13501-6)	a1
Max. conductor temperature	90
Min. outer temperature during installation [°C]	-20
Cable marking example	AXQJ-TT Pure TSLI 12kV 1x240 AFR/35 D-s2d2a1 DRAKA "Date and time", metre marked
Bending radius (rule)	During installation: 15xD Cable ploughing: 8xD Fixed installation: 10xD

PRODUCT DATA

Product name	External article code	SAP code	Cable weight [kg/km]	Delivery length [m]	Packaging
AXQJ-TT Pure TSLI 1x95/25 24kV	0080145	20217591	1,064	500	K14
AXQJ-TT PureTSLI 1x185/35 24kV		20217594	1,550	500	K16
AXQJ-TT Pure TSLI 1x240/35 24kV	0080155	20217595	1,762	500	K16
AXQJ-TT Pure TSLI 1x400/35 24kV		20217597	2,38	500	K20
AXQJ-TT Pure TSLI 1x500/35 24kV	0080165	20217598	2,753	500	K20
AXQJ-TT Pure TSLI 1x630/50 24kV	0080175	20217599	3,419	500	K22
AXQJ-TT Pure TSLI 1x800/50 24kV		20217600	4,155	500	K22

CABLE DIMENSIONS

Product name	Conductor diameter [mm]	Nominal thickness insulation [mm]	Diameter over insulation [mm]	Outer diameter [mm]	Pulling force pulling head [N]	Pulling force with pulling hose [N]
AXQJ-TT Pure TSLI 1x95/25 24kV	11.3	5.5	22.8	31	2,850	2,850
AXQJ-TT PureTSLI 1x185/35 24kV	15.9	5.5	27.4	36	5,550	5,550
AXQJ-TT Pure TSLI 1x240/35 24kV	18	5.5	29.6	38	7,200	7,200
AXQJ-TT Pure TSLI 1x400/35 24kV	23.7	5.5	35.3	44	12,000	9,700
AXQJ-TT Pure TSLI 1x500/35 24kV	26.6	5.5	38.2	47	15,000	11,000
AXQJ-TT Pure TSLI 1x630/50 24kV	30.3	5.5	42.1	51	18,900	13,000
AXQJ-TT Pure TSLI 1x800/50 24kV	34.6	5.5	46.4	54	20,000	14,600

Nominal values if not specified

SHORT CIRCUIT DATA

Product name	Conductor resistance at 20° C [Ohm/km]	Short circuit current conductor (1sec) [kA]	Short circuit current conductor (5sec) [kA]	Short circuit current screen (1sec) [kA]	Screen DC resistance [Ohm/km]
AXQJ-TT Pure TSLI 1x95/25 24kV	0.32	9.9	4.4	4	0.727
AXQJ-TT PureTSLI 1x185/35 24kV	0.164	17.5	7.8	5.6	0.524
AXQJ-TT Pure TSLI 1x240/35 24kV	0.125	25	11.2	5.6	0.524
AXQJ-TT Pure TSLI 1x400/35 24kV	0.0778	37.8	16.9	5.6	0.524
AXQJ-TT Pure TSLI 1x500/35 24kV	0.0605	52	23.3	5.6	0.524
AXQJ-TT Pure TSLI 1x630/50 24kV	0.0469	65.6	29.3	8	0.387
AXQJ-TT Pure TSLI 1x800/50 24kV	0.0367	75.6	33.8	8	0.387

Screen resistance refers to combination of copper wires and aluminum tape. The copper wires makes at least 60% of nominal cable screen cross section. Short circuit values in screen assumes that the aluminum tape is connected. Short circuit values are calculated using 90°C initial conductor temperature.

ELECTRICAL DATA

Product name	Nominal operation capacitance [nF/km]	Operating self inductance [mH/km]	Inductive Reactance (at 50Hz) [Ohm/km]	Capacitive charging current [A/km]	Zero sequence impedance [ohm/km]
AXQJ-TT Pure TSLI 1x95/25 24kV	210	0.39	0.12	0.8	1,13+j0,32
AXQJ-TT PureTSLI 1x185/35 24kV	270	0.35	0.11	1	0,76+j0,19
AXQJ-TT Pure TSLI 1x240/35 24kV	300	0.33	0.1	1.1	0,71+j0,19
AXQJ-TT Pure TSLI 1x400/35 24kV	360	0.31	0.1	1.3	0,64+j0,19
AXQJ-TT Pure TSLI 1x500/35 24kV	400	0.3	0.1	1.5	0,62+j0,18
AXQJ-TT Pure TSLI 1x630/50 24kV	450	0.29	0.09	1.6	0,46+j0,11
AXQJ-TT Pure TSLI 1x800/50 24kV	490	0.29	0.09	1.8	0,45+j0,11

Nominal values unless otherwise specified. Values for installatoin in threefoil formation in ground.