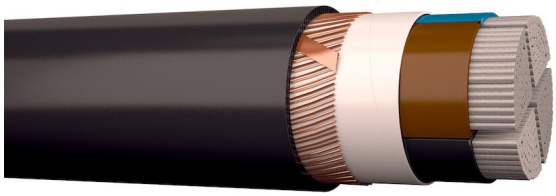
AXQJ PURE 0,6/1 KV

Halogen-free power cable for installations indoors and outdoors



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. Power cable for open fixed installation, indoors and outdoors, in pipes and ground / water. Suitable in switchgear and potentially explosive areas. Can be plowed down when care is taken. The concentric screen gives increased personal safety for both the installer and the installation owners.

STANDARDS, CERTIFICATIONS AND APPROVALS

SS 424 14 18	Construction standard
Cenelec HD603 Part 5AB	Harmonized construction standard
Synonyms	SE-N1XCZ1-AS

CABLE DESIGN

Conductor material	Aluminium
Conductor surface	Bare
Core insulation material	XLPE
Screen construction	Wire screen and counterhelix tape
Material outer sheath	Low smoke zero halogen
Rated voltage U0/U (Um)	0.6/1 (1.2) kV
Test voltage [kV]	15
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
Max. outer temperature during installation [°C]	40
Rip cord	Yes
Bending radius (rule)	Fixed installation: 8 x D During handling: 12 x D
Cable marking example	AXQJ Pure 0,6/1 kV 3×50/15 D-s2d2a1 Prysmian ”Datum och tid”, metermärkt

PRODUCT DATA

Item name	External article code	SAP code	Cable weight [kg/km]	Packaging
AXQJ PURE 3X35/15 T500	0004505	20194950	707	K11
AXQJ PURE 3X50/15 T500	0004515	20193373	857	K11
AXQJ PURE 3X70/21 T500	0004525	20193374	1,154	K12
AXQJ PURE 3X95/29 T500	0004535	20193375	1,458	K14
AXQJ PURE 3X120/41 T500	0004545	20193376	1,845	K16
AXQJ PURE 3X150/41 T500	0004555	20193377	2,189	K16
AXQJ PURE 3X185/57 T500	0004565	20193378	2,769	K18
AXQJ PURE 3X240/72 T500	0004575	20193379	3,503	K20
AXQJ PURE 3X300/88 T500	0004585	20193380	4,331	K22
AXQJ PURE 4X35/15 T500	0004605	20194949	869	K12
AXQJ PURE 4X50/15 T500	0004615	20193381	1,031	K12
AXQJ PURE 4X70/21 T500	0004625	20193382	1,416	K14
AXQJ PURE 4X95/29 T500	0004635	20193383	1,840	K16
AXQJ PURE 4X120/41 T500	0004645	20193384	2,265	K18
AXQJ PURE 4X150/41 T500	0004655	20193385	2,707	K18
AXQJ PURE 4X185/57 T500	0004665	20193386	3,424	K20
AXQJ PURE 4X240/72 T500	0004675	20193387	4,341	K22
AXQJ PURE 4X300/88 T500	0004685	20193388	5,383	K24

TECHNICAL DATA

Product name	Conductor category	Shape of conductor	Core colours	Outer diameter [mm]
AXQJ PURE 3X35/15	Class 2 = stranded	Round	Brown, black, grey	23.91
AXQJ PURE 3X50/15	Class 2 = stranded	Sector-shaped	Brown, black, grey	26
AXQJ PURE 3X70/21	Class 2 = stranded	Sector-shaped	Brown, black, grey	29
AXQJ PURE 3X95/29	Class 2 = stranded	Sector-shaped	Brown, black, grey	29.84
AXQJ PURE 3X120/41	Class 2 = stranded	Sector-shaped	Brown, black, grey	37
AXQJ PURE 3X150/41	Class 2 = stranded	Sector-shaped	Brown, black, grey	40
AXQJ PURE 3X185/57	Class 2 = stranded	Sector-shaped	Brown, black, grey	44
AXQJ PURE 3X240/72	Class 2 = stranded	Sector-shaped	Brown, black, grey	50
AXQJ PURE 3X300/88	Class 2 = stranded	Sector-shaped	Brown, black, grey	55
AXQJ PURE 4X35/15	Class 2 = stranded	Sector-shaped	Brown, black, grey, blue	28
AXQJ PURE 4X50/15	Class 2 = stranded	Sector-shaped	Brown, black, grey, blue	27
AXQJ PURE 4X70/21	Class 2 = stranded	Sector-shaped	Brown, black, grey, blue	32
AXQJ PURE 4X95/29	Class 2 = stranded	Sector-shaped	Brown, black, grey, blue	37
AXQJ PURE 4X120/41	Class 2 = stranded	Sector-shaped	Brown, black, grey, blue	40
AXQJ PURE 4X150/41	Class 2 = stranded	Sector-shaped	Brown, black, grey, blue	44
AXQJ PURE 4X185/57	Class 2 = stranded	Sector-shaped	Brown, black, grey, blue	49
AXQJ PURE 4X240/72	Class 2 = stranded	Sector-shaped	Brown, black, grey, blue	56
AXQJ PURE 4X300/88	Class 2 = stranded	Sector-shaped	Brown, black, grey, blue	62

ELECTRICAL DATA

Product name	Current carrying capacity [A]	Conductor resistance at 20° C [Ohm/km]	Operating self inductance [mH/km]	Short circuit current conductor (1sec) [kA]	Screen DC resistance [Ohm/km]	Inductive Reactance (at 50Hz) [Ohm/km]
AXQJ PURE 3X35/15	98	0.868	0.23	3.3	1.2	0.072
AXQJ PURE 3X50/15	116	0.641	0.23	4.7	1.2	0.072
AXQJ PURE 3X70/21	142	0.443	0.23	6.6	0.868	0.072
AXQJ PURE 3X95/29	170	0.32	0.22	8.9	0.641	0.069
AXQJ PURE 3X120/41	194	0.253	0.22	11.3	0.443	0.069
AXQJ PURE 3X150/41	217	0.206	0.22	14.2	0.443	0.069
AXQJ PURE 3X185/57	247	0.164	0.22	17.5	0.32	0.069
AXQJ PURE 3X240/72	286	0.125	0.22	22.7	0.253	0.069
AXQJ PURE 3X300/88	326	0.1	0.22	28.3	0.206	0.069
AXQJ PURE 4X35/15	98	0.868	0.23	3.3	1.2	0.072
AXQJ PURE 4X50/15	116	0.641	0.23	4.7	1.2	0.072
AXQJ PURE 4X70/21	142	0.443	0.23	6.6	0.868	0.072
AXQJ PURE 4X95/29	170	0.32	0.22	8.9	0.641	0.069
AXQJ PURE 4X120/41	194	0.253	0.22	14.2	0.443	0.069
AXQJ PURE 4X150/41	217	0.206	0.22	14.2	0.443	0.069
AXQJ PURE 4X185/57	247	0.164	0.22	17.5	0.32	0.069
AXQJ PURE 4X240/72	286	0.125	0.22	22.7	0.253	0.069
AXQJ PURE 4X300/88	326	0.1	0.22	28.3	0.206	0.069

Current carrying capacity from table 52C.2 in SS 436 40 00, utgåva 3 (installatoin in ground, ground temperature 20C, three loaded conductros, Thermal resistance 2,5 k m / W, depth 0,7m, conductor temperature 90 C, no adjacent cables). Short circuit value for condcutor with initial temperature 90C,