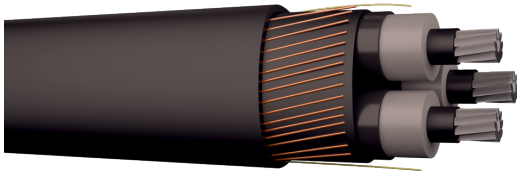


Power Cables 12 kV

AXQJ-RMF Pure 6/10(12) kV



Application

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. The cable is primarily designed for indoor installation, tunnels, etc. The cable can be installed outdoors and in ground but ploughing is not recommended. Ripcords for easier and safer stripping of the outer sheath.

Alternative Product Name

SE-N10XC7Z1-AR

Environmental

Environmental Declaration - AXQJ-RMF Pure
Byggarubedömningen - Judged

Standard

SS 424 14 16
CENELEC HD 620 Part 10 Section M
IEC 60502-2
CENELEC HD 604
SS-EN 60754-1, -2
SS-EN 61034-1, -2
EN 50575:2014

Construction standard 12-36 kV
Harmonized Construction Standard
Construction standard
Halogen free material
Corrosive gases
Smoke density
Power, control and communication cables - Cables for general applications in construction works subject to reaction to fire requirements

Construction

Cable Shape	Triangular
Conductors	Stranded, round and compacted aluminium acc. to IEC 60228 class 2, longitudinal water sealed
Inner semi-conducting layer	Extruded
Conductor Insulation	XLPE, min. thickness = 2,96 mm
Outer semi-conducting layer	Bonded
Inner covering	Conductive tape
Shield / Screen	Annealed copper wires
Ripcord	Aramid
Outer Sheath	Halogen free compound, black
Example of marking on sheath	AXQJ-RMF Pure 12kV 3x50/16 LT B2-s1d0a2 DRAKA "Date and time", metre marked

Temperature

Maximum operating Temperature	90 °C
Temperatures at installation [°C]	Lowest cable temperature during installation -20 °C, below 0 °C special precaution shall be taken.

Features

CPR Performance class	B2ca-s1d0a2
Bending radius	In fixed installation: 8 x D When pulling-in: 12 x D When plowing down: 8 x D

Electrical

Max. short circuit temperature [°C]
Impulse voltage [kV]

250 °C
75 kV.

Conductors and screen area [mm ²]	Diameter over insulation [mm]	Diameter over sheath [mm]	Cable weight [kg/km]	Standard delivery length [m]	Delivery Package	SAP Number	E-number
3x50/16	15,9	43,5	1510	500	K18	20203881	0080000
3x50/16	15,9	43,5	1510	500	K18	20203881-5	0080005
3x70/16	16,9	46	1735	500	K18	20203882	
3x95/25	18,6	50	2150	500	K20	20203883	0080010
3x95/25	18,6	50	2150	500	K20	20203883-5	0080015
3x120/25	21,2	54	2495	500	K20	20203884	
3x150/25	21,5	56	2860	500	K22	20203885	0080020
3x150/25	21,5	56	2860	500	K22	20203885-5	0080025
3x185/35	23,2	60	3356	500	K24	20203886	
3x240/35	25,4	65,5	3945	500	K24	20203887	0080030
3x240/35	25,4	65,5	3945	500	K24	20203887-5	0080035
3x300/35	27,9	71	4795	500	K24	20203888	

Conductors and screen area [mm ²]	Conductor resistance Ω/km	Screen resistance Ω/km	Inductance mH/km	Reactance Ω/km	Capacitance μF/km	Charging current/phase A/km	Earth fault current A/km
3x50/16	0,641	1,2	0,34	0,11	0,23	0,5	1,4
3x70/16	0,433	1,2	0,31	0,10	0,28	0,5	1,6
3x95/25	0,320	0,8	0,31	0,10	0,30	0,6	1,8
3x120/25	0,253	0,8	0,29	0,09	0,35	0,7	2,0
3x150/25	0,206	0,8	0,29	0,09	0,35	0,7	2,0
3x185/35	0,164	0,6	0,27	0,09	0,41	0,8	2,3
3x240/35	0,125	0,6	0,27	0,09	0,43	0,8	2,5
3x300/35	0,100	0,6	0,26	0,08	0,51	1,0	2,9

Conductors and screen area [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 1s at initial temp. 65°C kA	Max. short circuit current on the conductor during 1s at initial temp. 90°C kA	Max impulse current kA
3x50/16	145	130	160	5,2	4,7	55
3x70/16	175	155	190	7,2	6,6	60
3x95/25	205	190	230	9,9	8,9	65
3x120/25	230	220	265	12,4	11,3	65
3x150/25	260	250	305	15,6	14,2	70
3x185/35	290	280	340	19,2	17,5	70
3x240/35	340	330	400	25,0	22,7	70
3x300/35	380	375	460	31,2	29,8	70

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 °Km/W –depth of burial 0,65 m –frequency 50Hz