FRNC power cable
(N)A2XH-J/-O

Application: Low-smoke, zero-halogen, flame-retardant power cable. For fixed indoor and outdoor installation as well as in concrete, but not for direct burial in the ground or application in water.

Construction and technical data:

Standard:	VDE 0276-604 (with ref. to)
Conductor material:	aluminium
Conductor construction:	Class 2 = stranded
Insulation:	XLPE 2XI1
Sheathing material:	FRNC-compound HM4
Colour of outer sheath:	black
Flame-retardant:	VDE 0482-266-2-4/IEC 60332-3-24 (Cat. C)
Smoke density:	DIN EN 61034/IEC 61034
Halogen-free:	DIN EN 50267/IEC 60754
For outdoor use:	yes
Max. temperature at conductor, °C:	90 °C
Permitted outer cable temperature, fixed, °C:	-30 - +70 °C
Permitted outer cable temperature, moved, °C:	-5 - +70 °C
Bending radius, fixed installation, multicore:	12 x Ø
Bending radius, fixed installation, singlecore:	15 x Ø

The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

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Nominal voltage Uo:	0.6 kV
Nominal voltage U:	1 kV
Maximum permitted operating voltage in three-phase systems:	1.2 kV
Test voltage:	4 kV

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part no.	part name		Rl [Ohm/km]	Ibl [A]	Rbv [mm]	Ø [mm]	Al	G [kg]
090375	01X50	RMv	0.641	161	191	12.7	145	216
090384	01X70	RMv	0.443	203	215	14.3	203	290
090376	01X95	RMv	0.32	252	245	16.3	276	383
090377	01X120	RMv	0.253	295	266	17.7	348	463
090272	01X150	RMv	0.206	339	500	33.3	435	1721
090268	01X240	RMv	0.125	472	363	24.2	696	902
090202	01X300	RMv	0.1	547	401	26.7	870	1074
090269	01X400	RMv	0.0778	643	449	29.9	1160	1361

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part no.	part name		Rl [Ohm/km]	Ibl [A]	Rbv [mm]	Ø [mm]	Al	G [kg]
090372	04X240	SMv	0.125	427	631	52.6	2784	4053
090355	05X70	SMv	0.443	191	394	32.8	1015	1565
090356	05X95	SMv	0.32	234	450	37.5	1378	2073
090357	05X240	SMv	0.125	360	679	56.6	3480	4897

Rl	Conductor resistance
Ibl	Ampacity in air (30 °C)
Rbv	Bending radius, fixed installation
Ø	outer diameter approx.
Al	Aluminium weight (GER)
G	net weight per 1000