

# FRNC rubber cable NSHXAFÖ acc. to VDE 0250 T. 606



<b>conductor material:</b>	bare copper
<b>conductor construction:</b>	fine stranded, class 5
<b>insulation:</b>	rubber (EPR) 3GI3, halogen-free
<b>maximum temperature at conductor:</b>	90 °C
<b>sheathing material:</b>	FRNC compound HM3
<b>Halogen free:</b>	DIN EN 50267/IEC 60754
<b>flame retardant:</b>	VDE 0482-332-1-2/IEC 60332-1
<b>oil resistant acc. to EN 60811-2-1:</b>	yes
<b>max. operating temperature, fixed:</b>	-40 - 70 °C
<b>temperature, moved/during installation:</b>	-25 - 70 °C
<b>nominal voltage U<sub>0</sub>:</b>	1,8 kV
<b>nominal voltage U:</b>	3 kV
<b>test voltage:</b>	6 kV

**Application:** This insulated wire is designed for application in busses and railborn vehicles. If used in distribution or switching appliances up to 1000 V, it is considered to be short circuit proof. The cable is halogen-free, flame-retardant and resistant against most oils and grease.



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.

table: technical data NSHXAFÖ

p/n	part name	RI [Ω/km]	I <sub>bl</sub> [A]	R <sub>bb</sub> [mm]	R <sub>bf</sub> [mm]	DA [mm]	F <sub>z</sub> [N]	CU	G [kg/km]
050476	NSHXAFÖE 01X1,5 1,8/3 kV SW	13,3	30	35	28	7	21	14,4	60
050477	NSHXAFÖE 01X2,5 1,8/3 kV SW	7,98	41	37,5	30	7,5	41	24	70
050379	NSHXAFÖE 01X4 1,8/3 kV SW	4,95	55	45	36	9	60	38,4	85
050380	NSHXAFÖE 01X6 1,8/3 kV SW	3,3	70	47,5	38	9,5	90	57,6	110
050381	NSHXAFÖE 01X10 1,8/3 kV SW	1,91	98	55	44	11	150	96	160
050382	NSHXAFÖE 01X16 1,8/3 kV SW	1,21	132	65	52	13	240	153,6	240
050383	NSHXAFÖE 01X25 1,8/3 kV SW	0,795	176	75	60	15	375	240	365
050376	NSHXAFÖE 01X35 1,8/3 kV SW	0,554	219	82,5	66	16,5	525	336	494
050377	NSHXAFÖE 01X50 1,8/3 kV SW	0,386	276	90	72	18	750	480	656
050353	NSHXAFÖE 01X70 1,8/3 kV SW	0,272	347	102,5	82	20,5	1050	672	880
050356	NSHXAFÖE 01X95 1,8/3 kV SW	0,206	416	120	96	24	1425	912	1090
050355	NSHXAFÖE 01X120 1,8/3 kV SW	0,161	488	130	104	25,1	1800	1152	1340
050384	NSHXAFÖE 01X150 1,8/3 kV SW	0,129	566	140	112	28	2250	1440	1640
050385	NSHXAFÖE 01X185 1,8/3 kV SW	0,106	644	155	124	31	2775	1776	2160
050386	NSHXAFÖE 01X240 1,8/3 kV SW	0,0801	775	172,5	138	34,5	3600	2304	2570
050654	NSHXAFÖE 01X300 1,8/3 kV SW	0,0641	898	190	152	38	4500	2890	3470
050893	(N)SHXAFÖE 01X400 1,8/3 kV SW	0,0486	1060		162	40,1	6000	3840	4180
050892	(N)SHXAFÖE 01X500 1,8/3 kV SW	0,0384	1250		168	42,1	7500	4800	5860