



CPR-performance:	Eca
conductor material:	tinned copper
conductor construction:	fine stranded = class 5
insulation:	rubber (EPR) 3GI3, halogen-free
max. permitted conductor temperature:	90°C
sheathing material:	FRNC compound HM3
halogen free:	DIN EN 50267/IEC 60754
flame retardant:	VDE 0482-332-1-2 / IEC 60332-1-2
Smoke density:	DIN EN 61034/IEC 61034
Halogen-free:	DIN EN 50267/IEC 60754
oil resistant:	EN 60811-404
max. operating temperature, fixed:	-40 up to 70°C
temperature, moved/during installation:	-25 up to 70°C

nominal voltage U ₀ /U:	NSHXAFö 1,8/3 kV
test voltage:	6 kV
Halogen free version in 3,6/6kV on request	

Application:

This insulated wire is designed for application in busses and rail-borne vehicles. If used in distribution or switching appliances up to 1000 V, it is considered to be short circuit proof and earth-leakage proof. The cable is halogen-free, flame-retardant and oil resistant as explained above.

Remark on REACH: The following substances from the REACH candidate list are used for all products on this datasheet with a proportion of more than 0.1 %: CAS 85535-85-9

The imprint is only exemplary and can deviate due to the manufacturer.
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.



SPEZIALKABEL / SPEZIALLEITUNGEN

NSHXAFö 1,8/3kV

*FRNC rubber cable
acc. to VDE 0250 T.606*

KENEX article number	NSHXAFÖ 1,8/3kV cross section mm ²	min. bending radius mm fixed installation	ampacity in air 30°C	Outer Ø approximately mm	copper weight kg/km	cable weight kg/km
0160015	NSHXAFÖ 1 x 1,5	36	30	6,0	14,4	60
0160025	NSHXAFÖ 1 x 2,5	39	41	6,5	24	70
0160040	NSHXAFÖ 1 x 4	42	55	7,0	38,4	85
0160060	NSHXAFÖ 1 x 6	45	70	7,5	57,6	110
0160100	NSHXAFÖ 1 x 10	54	98	9,0	96	160
0160160	NSHXAFÖ 1 x 16	63	132	10,5	153,6	240
0160250	NSHXAFÖ 1 x 25	75	176	12,5	240	365
0160350	NSHXAFÖ 1 x 35	81	219	13,5	336	494
0160500	NSHXAFÖ 1 x 50	93	276	15,5	480	656
0160700	NSHXAFÖ 1 x 70	105	347	17,5	672	880
0160950	NSHXAFÖ 1 x 95	123	416	20,5	912	1090
0161200	NSHXAFÖ 1 x 120	129	488	21,5	1152	1340
0161500	NSHXAFÖ 1 x 150	141	566	23,5	1440	1640
0161850	NSHXAFÖ 1 x 185	153	644	25,5	1776	2160
0162400	NSHXAFÖ 1 x 240	168	775	28,0	2304	2570
0163000	NSHXAFÖ 1 x 300	189	898	31,5	2890	3470
0164000	(N)SHXAFÖ 1 x 400	243	1060	40,5	3840	4180
0165000	(N)SHXAFÖ 1 x 500	261	1250	43,5	4800	5860