



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
bending radius, fixed installation:	6 x outer diameter
bending radius, moving application:	10 x outer diameter
nominal voltage U <sub>0</sub> /U:	<b>NSHXAFö</b> 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.

*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.*

KENEX article number	NSHXAFöE 1,8/3kV cross section mm <sup>2</sup>	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