



CPR-performance:	Eca
conductor material:	tinned copper
conductor construction:	fine stranded, class 5
insulation:	rubber (EPR) 3GI3, halogen-free
sheathing material:	rubber (CR) 5GM3
flame retardant:	VDE 0482-332-1-2 / IEC 60332-1
min. bending radius, fixed installation:	6 x outer diameter
min bending radius, moving application:	10 x outer diameter
max. temperature at conductor:	90°C
max. operating temperature, fixed:	-40 up to +80°C
temperature, moved/during installation:	-25 up to +80°C

	<i>NSGAFÖU</i> <i>1,8/3 kV</i>	<i>NSGAFÖU</i> <i>3,6/6 kV</i>
nominal voltage U ₀ :	1,8 kV	3,6 kV
nominal voltage U:	3 kV	6 kV
test voltage:	6 kV	11 kV
sheathing material color:	black	red

Application: This wire is designed for use in dry rooms, busses and rail-borne vehicles. It is considered to be short circuit-proof and earth leakage-proof when used in switching appliances and distributors of up to 1 kV. It is 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	NSGAFOEU 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
450015	NSGAFOEU 1 x 1,5	33	30	5,5	14,4	60
450025	NSGAFOEU 1 x 2,5	37	41	6,2	24	70
450040	NSGAFOEU 1 x 4	40	55	6,7	38,4	90
450060	NSGAFOEU 1 x 6	43	70	7,2	57,6	120
450100	NSGAFOEU 1 x 10	52	98	8,7	96	180
450160	NSGAFOEU 1 x 16	60	132	10,0	153,6	250
450250	NSGAFOEU 1 x 25	72	176	12,0	240	390
450350	NSGAFOEU 1 x 35	78	218	13,0	336	470
450500	NSGAFOEU 1 x 50	90	276	15,0	480	625
450700	NSGAFOEU 1 x 70	102	347	17,0	672	880
450950	NSGAFOEU 1 x 95	117	416	19,5	912	1190
451200	NSGAFOEU 1 x 120	126	488	21,0	1152	1430
451500	NSGAFOEU 1 x 150	138	566	23,0	1440	1750
451850	NSGAFOEU 1 x 185	156	644	26,0	1776	2160
452400	NSGAFOEU 1 x 240	168	775	28,0	2304	2640
453000	NSGAFOEU 1 x 300	186	898	31,0	2880	3178
454000	NSGAFOEU 1 x 400	243	1060	40,5	3840	4200
455000	NSGAFOEU 1 x 500	252	1250	42,0	4800	5500