



conductor material:	bare copper
conductor construction:	fine stranded, class 5
insulation:	rubber (EPR) EI4 or similar
sheathing material:	rubber (CR) EM2 or similar
flame retardant:	VDE 0482-332-1-2/IEC 60332-1-2
UV-resistant:	yes
Oil-resistant:	EN 60811-404
Ozone resistant:	yes
max. temperature at conductor:	60°C
max. operating temperature, fixed:	-25 bis +80°C
temperature, moved/during installation:	-25 bis +80°C
nominal voltage U <sub>0</sub> :	450 V
nominal voltage U:	750 V
test voltage:	2,5 kV
core identification:	colours acc. VDE 0293 (HD 308); more than 5 cores: gn-ye + numbers

**Application:** For use at medium mechanical stress in dry, wet and damp locations, as well as outdoors. Also for fixed installation on plaster or machines. Higher conductor temperatures may be permissible with protected installation, please inquire.

This is only a general data sheet. Producers specifications may include special features surpassing standard specification EN 50525-2-21.

#### minimal permitted bending radii

installation	< 8mm	8-12 mm	12-20 mm	more than 20 mm
fixed installation	3D	3D	4D	4D
free movement	5D	5D	6D	6D
cable entry	6D	6D	6D	8D

*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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KENEX PART NUMBER	NUMBER CORES X CROSS SECTION MM <sup>2</sup>	Ampacity Free in air 30°C	OUTER Ø APPROX. MM	COPPER WEIGHT KG/KM	CABLE WEIGHT KG/KM
46010015	H07RN-F 1 x 1,5	18	5,9	14,4	50
46010025	H07RN-F 1 x 2,5	22	6,6	24	80
46010040	H07RN-F 1 x 4	30	7,4	38,4	100
46010060	H07RN-F 1 x 6	38	8,1	58	130
46010100	H07RN-F 1 x 10	53	9,7	96	220
46010160	H07RN-F 1 x 16	71	11	154	280
46010250	H07RN-F 1 x 25	94	12,9	240	400
46010350	H07RN-F 1 x 35	117	14,6	336	520
46010500	H07RN-F 1 x 50	148	16,8	480	720
46010700	H07RN-F 1 x 70	185	18,9	672	940
46010950	H07RN-F 1 x 95	222	21,1	912	1220
46011200	H07RN-F 1 x 120	260	23,1	1152	1510
46011500	H07RN-F 1 x 150	300	25,6	1440	1900
46011850	H07RN-F 1 x 185	341	27,9	1776	2300
46012400	H07RN-F 1 x 240	407	31	2304	2900
46013000	H07RN-F 1 x 300	468	34,1	2880	3600
46014000	H07RN-F 1 x 400	553	38,5	3840	4800
46016300	H07RN-F 1 x 630	742	48,5	6048	6849
46030010	H07RN-F 3 G 1	15	8,4	29	125
46030015	H07RN-F 3 G 1,5	16	9,4	43,2	155
46030025	H07RN-F 3 G 2,5	21	11,1	72	235
46030040	H07RN-F 3 G 4	29	12,9	115	310
46030060	H07RN-F 3 G 6	36	14,3	173	400
46030100	H07RN-F 3 G 10	51	19,3	288	810
46030160	H07RN-F 3 G 16	67	22,1	461	1000
46030250	H07RN-F 3 G 25	89	27	720	1250
46030350	H07RN-F 3 G 35	110	29,6	1008	1850
46030500	H07RN-F 3 G 50	138	36	1440	3790
46040010	H07RN-F 4 G 1	15	9,5	38	129
46040015	H07RN-F 4 G 1,5	16	10,4	58	190
46040025	H07RN-F 4 G 2,5	21	12,3	96	280
46040040	H07RN-F 4 G 4	29	14,2	154	380
46040060	H07RN-F 4 G 6	36	15,9	230	510
46040100	H07RN-F 4 G 10	51	21,3	384	940
46040160	H07RN-F 4 G 16	67	24,2	614	1250
46040250	H07RN-F 4 G 25	89	29,3	960	1850
46040350	H07RN-F 4 G 35	110	33	1344	2310
46040500	H07RN-F 4 G 50	138	38,2	1920	3160
46040700	H07RN-F 4 G 70	172	43,2	2688	4250
46040950	H07RN-F 4 G 95	222	49	3648	5590
46041200	H07RN-F 4 G 120	238	53,6	4608	6790
46041500	H07RN-F 4 G 150	273	58,7	5760	8230
46041850	H07RN-F 4 G 185	309	65	7104	9700
46042400	H07RN-F 4 G 240	365	74	9216	13120

KENEX PART NUMBER	NUMBER CORES X CROSS SECTION MM <sup>2</sup>	Ampacity Free in air 30°C	OUTER Ø APPROX. MM	COPPER WEIGHT KG/KM	CABLE WEIGHT KG/KM
46050015	H07RN-F 5 G 1,5	16	11,5	72	230
46050025	H07RN-F 5 G 2,5	21	13,5	120	340
46050040	H07RN-F 5 G 4	29	15,9	192	470
46050060	H07RN-F 5 G 6	36	17,9	288	630
46050100	H07RN-F 5 G 10	51	22,3	480	1150
46050160	H07RN-F 5 G 16	67	26,9	768	1540
46050250	H07RN-F 5 G 25	89	32,5	1200	2200
46050350	07RN-F 5 G 35	110	38	1680	2700
46050500	07RN-F 5 G 50	138	44,5	2400	3950
46050700	07RN-F 5 G 70	172	47	3360	4893
46050950	07RN-F 5 G 95	204	58	4560	6600
46051200	07RN-F 5 G 120	238	61	5760	8051
46051500	07RN-F 5 G 150	273	73	7200	10500
46070015	H07RN-F 7 G 1,5	16	14,5	101	370
46070025	H07RN-F 7 G 2,5	21	17	168	520
46070040	H07RN-F 7 G 4	29	25,8	269	697
46120015	H07RN-F 12 G 1,5	16	18,3	175	450
46120025	H07RN-F 12 G 2,5	21	19	288	750
46180025	H07RN-F 18 G 2,5	21	26	432	1032
46190015	H07RN-F 19 G 1,5	16	23,5	274	800
46190025	H07RN-F 19 G 2,5	21	26,6	456	1068
46240015	H07RN-F 24 G 1,5	16	25,5	346	1000
46240025	H07RN-F 24 G 2,5	21	31,5	576	1380
46250015	H07RN-F 25 G 1,5	16	26	360	889
46020010	H07RN-F 2 x 1	15	7,8	19	100
46020015	H07RN-F 2 x 1,5	18	8,7	29	130
46020025	H07RN-F 2 x 2,5	26	10,4	48	195
46020040	H07RN-F 2 x 4	34	12	77	280
46020060	H07RN-F 2 x 6	43	13,3	115	400
46030010X	H07RN-F 3 x 1	15	8,4	29	90
46030015X	H07RN-F 3 x 1,5	16	9,4	43,2	155
46030025X	H07RN-F 3 x 2,5	21	11,1	72	235
46030040	H07RN-F 3 G 4	29	12,9	115	310
46030060X	H07RN-F 3 x 6	36	14,3	173	495
46030100X	H07RN-F 3 x 10	51	19,3	288	730
46030160X	H07RN-F 3 x 16	67	22,1	461	1020
46030250X	H07RN-F 3 x 25	89	27	720	1250
46030350X	H07RN-F 3 x 35	110	29,6	1008	1733
46030500X	H07RN-F 3 X 50	138	36	1440	3790
46040100X	H07RN-F 4 x 10	51	21,3	384	940
46040160X	H07RN-F 4 x 16	67	24,2	614,4	1250
46040250X	H07RN-F 4 x 25	89	29,3	960	1850