



<b>conductor material:</b>	bare copper
<b>conductor construction:</b>	fine stranded, class 5
<b>insulation:</b>	rubber (EPR) E14
<b>sheathing material:</b>	rubber (CR) EM5
<b>flame retardant:</b>	VDE 0482-332-1-2/IEC 60332-1
<b>UV-resistant:</b>	yes
<b>oil resistant:</b>	EN 60811-404
<b>ozone resistant:</b>	EN 60811
<b>max. temperature at conductor:</b>	90°C
<b>max. operating temperature, fixed:</b>	-50 bis +90°C
<b>temperature, moved/during installation:</b>	-40 bis +90°C
<b>nominal voltage U0:</b>	450 V
<b>nominal voltage U:</b>	750 V
<b>test voltage:</b>	2,5 kV
<b>core identification:</b>	colours acc. VDE 0293 (HD 308); more than 5 cores: gn-ye + numbers

- Benefits:**
- For mechanically more demanding applications
  - 1000 V AC @ protected + static laying
  - Arrangements made of single-core, rubber-sheathed cables H07RN-F can be used for short circuit-proof and short-to-ground-proof installations in accordance with VDE 0100 Part 520
  - More water-resistant than H07RN-F
  - Conductor temperature range more suitable for outdoor installation and wider than H07RN-F, H07ZZ-F, H07BN4-F and NSSHÖU

- Application:**
- Handheld and power supply devices according to HD 516
  - Medium, mechanical stress (H07RN-F)/ industrial, agricultural use
  - Submersion acc. AD8 standard
  - Outdoors acc. HD 516
  - For buildings or industrial plants with a high density of people or valuable assets

- Product features:**
- Halogen-free and flame-retardant according to IEC 60332-1-2
  - Oil-resistant according to EN 60811-404
  - UV-resistant (black outer sheath) + Ozone-resistant acc. EN 60811
  - Good resistance to abrasion, atmospheric agents, grease and mineral oils
  - AD8 submersibility



**SPEZIALKABEL / SPEZIALLEITUNGEN**

## H07RN-F

*Rubber insulated cable, enhanced version  
acc. to VDE 0282-4*

### minimal permitted bending radii

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

*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 PART NUMBER	NUMBER CORES X CROSS SECTION MM <sup>2</sup>	OUTER Ø APPROX. MM	COPPER WEIGHT KG/KM	CABLE WEIGHT KG/KM
46010015E	H07RN-F 1 x 1,5	7,1	14,4	55
46010025E	H07RN-F 1 x 2,5	7,9	24,0	72
46010040E	H07RN-F 1 x 4	9	38,4	98
46010060E	H07RN-F 1 x 6	9,8	57,6	127
46010100E	H07RN-F 1 x 10	11,9	96,0	192
46010160E	H07RN-F 1 x 16	13,4	153,6	262
46010250E	H07RN-F 1 x 25	15,8	240,0	375
46010350E	H07RN-F 1 x 35	17,9	336,0	493
46010500E	H07RN-F 1 x 50	20,6	480,0	675
46010700E	H07RN-F 1 x 70	23,3	672,0	914
46010950E	H07RN-F 1 x 95	26	912,0	1200
46011200E	H07RN-F 1 x 120	28,6	1152,0	1481
46011500E	H07RN-F 1 x 150	31,4	1440,0	1833
46011850E	H07RN-F 1 x 185	34,4	1776,0	2190
46012400E	H07RN-F 1 x 240	38,3	2304,0	2780
46013000E	H07RN-F 1 x 300	38,7	2880,0	3310
46014000E	H07RN-F 1 x 400	40	3840,0	4320
46015000E	H07RN-F 1 x 500	43	4800,0	5342
46020010E	H07RN-F 2 x 1	10	19,2	100
46020015E	H07RN-F 2 x 1,5	11	28,8	125
46020025E	H07RN-F 2 x 2,5	13,1	48,0	173
46020040E	H07RN-F 2 x 4	15,1	76,8	239
46020060E	H07RN-F 2 x 6	16,8	115,2	330
46020100E	H07RN-F 2 x 10	22,6	192,0	590
46030010E	H07RN-F 3 G 1	10,7	28,8	140
46030015E	H07RN-F 3 G 1,5	11,9	43,2	172
46030025E	H07RN-F 3 G 2,5	14	72,0	225
46030040E	H07RN-F 3 G 4	16,2	115,2	325
46030060E	H07RN-F 3 G 6	18	172,8	415
46030100E	H07RN-F 3 G 10	24,2	288,0	712
46030160E	H07RN-F 3 G 16	27,6	460,8	990
46030250E	H07RN-F 3 G 25	33	720,0	1395
46030350E	H07RN-F 3 G 35	37,1	1008,0	1815
46030500E	H07RN-F 3 G 50	42,9	1440,0	2470

## H07RN-F

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KENEX PART NUMBER	NUMBER CORES X CROSS SECTION MM <sup>2</sup>	OUTER Ø APPROX. MM	COPPER WEIGHT KG/KM	CABLE WEIGHT KG/KM
46040010E	H07RN-F 4 G 1	11,9	38,4	160
46040015E	H07RN-F 4 G 1,5	13,1	57,6	200
46040025E	H07RN-F 4 G 2,5	15,5	96,0	285
46040040E	H07RN-F 4 G 4	17,9	153,6	395
46040060E	H07RN-F 4 G 6	20	230,4	535
46040100E	H07RN-F 4 G 10	26,5	384,0	920
46040160E	H07RN-F 4 G 16	30,1	614,4	1290
46040250E	H07RN-F 4 G 25	36,6	960,0	1930
46040350E	H07RN-F 4 G 35	41,1	1344,0	2470
46040500E	H07RN-F 4 G 50	47,5	1920,0	3320
46040700E	H07RN-F 4 G 70	54	2688,0	4420
46040950E	H07RN-F 4 G 95	61	3648,0	5750
46041200E	H07RN-F 4 G 120	66	4608,0	6990
46041500E	H07RN-F 4 G 150	73	5760,0	8650
46041850E	H07RN-F 4 G 185	80	7104,0	9785
46050010E	H07RN-F 5 G 1	13,1	48,0	200
46050015E	H07RN-F 5 G 1,5	14,4	72,0	250
46050025E	H07RN-F 5 G 2,5	17	120,0	345
46050040E	H07RN-F 5 G 4	19,9	192,0	485
46050060E	H07RN-F 5 G 6	22,2	288,0	648
46050250E	H07RN-F 5 G 25	32,7	1200,0	2500
46050350E	07RN-F 5 G 35	36,4	1680,0	3250
46050500E	07RN-F 5 G 50	42,2	2400,0	4408
46050700E	07RN-F 5 G 70	48,1	3360,0	5863
46050950E	07RN-F 5 G 95	54,5	4560,0	7537
46070015E	H07RN-F 7 G 1,5	15,7	100,8	430
46120015E	H07RN-F 12 G 1,5	18,9	172,8	620
46120025E	H07RN-F 12 G 2,5	21,8	288,0	850