

# Rubber cable

## H07RN-F



**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. The cable is oil-, UV- and ozone-resistant. Higher conductor temperatures may be permissible with protected installation, please inquire

### Construction and technical data:

<b>CPR-performance:</b>	Eca
<b>Standard:</b>	EN 50525-2-21
<b>Conductor material:</b>	copper, bare
<b>Conductor construction:</b>	Class 5 = flexible
<b>Insulation:</b>	rubber (EPR) EI4
<b>Sheathing material:</b>	rubber (CR) EM2
<b>Flame-retardant:</b>	VDE 0482-332-1-2/IEC 60332-1-2
<b>UV-resistant:</b>	yes
<b>Oil-resistant:</b>	EN 60811-404
<b>Ozone-resistant:</b>	yes
<b>For outdoor use:</b>	yes
<b>Maximum temperature at conductor, °C:</b>	60 °C
<b>Permitted outer cable temperature, fixed, °C:</b>	-25 - +80 °C
<b>Permitted outer cable temperature, moved, °C:</b>	-25 - +80 °C



*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.*

### Bending radius acc. DIN EN 50565-1

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

**H07RN-F****Nominal voltage U<sub>0</sub>:** 450 V**Nominal voltage U:** 750 V**Test voltage:** 2.5 kV**Core identification:** colours acc. to VDE 0293 (HD 308);  
more than 5 cores: gn-ye + numbers

part no.	part name	RI [Ohm/km]	I <sub>bl</sub> [A]	Ø [mm]	F <sub>zv</sub> [N]	Cu [kg/km]	G [kg/km]
050214	H07RN-F 01X1,5 SW	13.3	18	5.9	23	14,4	50
050358	H07RN-F 01X2,5 SW	7.98	22	6.6	38	24	80
050233	H07RN-F 01X4 SW	4.95	30	7.4	60	38	100
050205	H07RN-F 01X6 SW	3.3	38	8.1	90	58	130
050033	H07RN-F 01X10 SW	1.91	53	9.7	150	96	220
050036	H07RN-F 01X16 SW	1.21	71	11	240	154	280
050037	H07RN-F 01X25 SW	0.78	94	12.9	375	240	400
050038	H07RN-F 01X35 SW	0.554	117	14.6	525	336	520
050039	H07RN-F 01X50 SW	0.386	148	16.8	750	480	720
050041	H07RN-F 01X70 SW	0.272	185	18.9	1050	672	940
050042	H07RN-F 01X95 SW	0.206	222	21.1	1425	912	1220
050034	H07RN-F 01X120 SW	0.161	260	23.1	1800	1152	1510
050035	H07RN-F 01X150 SW	0.129	300	25.6	2250	1440	1900
050111	H07RN-F 01X185 SW	0.106	341	27.9	2775	1776	2300
050113	H07RN-F 01X240 SW	0.0801	407	31	3600	2304	2900
050195	H07RN-F 01X300 SW	0.0641	468	34.1	4500	2880	3600
050408	H07RN-F 01X400 SW	0.0486	553	38.5	60	3840	4800
050983	H07RN-F 01X630 SW	0.0287	742	48.5	9450	6048	6849
050170	H07RN-F 02X1 SW	19.5	15	7.8	30	19	100
050043	H07RN-F 02X1,5 SW	13.3	18	8.7	45	29	130
050044	H07RN-F 02X2,5 SW	7.98	26	10.4	75	48	195
050228	H07RN-F 02X4 SW	4.95	34	12	120	77	280
050229	H07RN-F 02X6 SW	3.3	43	13.3	180	115	400
050880	H07RN-F 03X1 SW	19.5	15	8.4	45	29	90
050045	H07RN-F 03G1 SW	19.5	15	8.4	45	29	125
050881	H07RN-F 03X1,5 SW	13.3	16	9.4	68	43	155
050046	H07RN-F 03G1,5 SW	13.3	16	9.4	68	43	155
050882	H07RN-F 03X2,5 SW	7.98	21	11.1	113	72	235

part no.	part name	RI [Ohm/km]	I <sub>bl</sub> [A]	Ø [mm]	F <sub>zv</sub> [N]	Cu [kg/km]	G [kg/km]
050048	H07RN-F 03G2,5 SW	7.98	21	11.1	113	72	235
050114	H07RN-F 03G4 SW	4.95	29	12.9	180	115	310
050883	H07RN-F 03X6 SW	3.3	36	14.3	270	173	495
050115	H07RN-F 03G6 SW	3.3	36	14.3	270	173	400
050884	H07RN-F 03X10 SW	1.9	51	19.3	450	288	730
050101	H07RN-F 03G10 SW	1.91	51	19.3	450	288	810
050885	H07RN-F 03X16 SW	1.21	67	22.1	720	461	1020
050102	H07RN-F 03G16 SW	1.21	67	22.1	720	461	1000
050886	H07RN-F 03X25 SW	0.78	89	27	1125	720	1250
050240	H07RN-F 03G25 SW	0.78	89	27	1125	720	1250
050887	H07RN-F 03X35 SW	0.554	110	29.6	1575	1008	1733
050309	H07RN-F 03G35 SW	0.554	110	29.6	1575	1008	1850
050185	H07RN-F 03G50 SW	0.386	138	36	2250	1440	3790
050375	H07RN-F 04G1 SW	19.5	15	9.5	60	38	129
050050	H07RN-F 04G1,5 SW	13.3	16	10.4	90	58	190
050054	H07RN-F 04G2,5 SW	7.98	21	12.3	150	96	280
050057	H07RN-F 04G4 SW	4.95	29	14.2	240	154	380
050059	H07RN-F 04G6 SW	3.3	36	15.9	360	230	510
050888	H07RN-F 04X10 SW	1.91	51	21.3	600	384	940
050051	H07RN-F 04G10 SW	1.91	51	21.3	600	384	940
050889	H07RN-F 04X16 SW	1.21	67	24.2	960	614,4	1250
050053	H07RN-F 04G16 SW	1.21	67	24.2	960	614	1250
050890	H07RN-F 04X25 SW	0.78	89	29.3	1500	960	1850
050055	H07RN-F 04G25 SW	0.78	89	29.3	1500	960	1850
050056	H07RN-F 04G35 SW	0.554	110	33	2100	1344	2310
050058	H07RN-F 04G50 SW	0.386	138	38.2	3000	1920	3160
050060	H07RN-F 04G70 SW	0.272	172	43.2	4200	2688	4250
050061	H07RN-F 04G95 SW	0.206	222	49	5700	3648	5590
050052	H07RN-F 04G120 SW	0.161	238	53.6	7200	4608	6790
050187	H07RN-F 04G150 SW	0.129	273	58.7	9000	5760	8230
050196	H07RN-F 04G185 SW	0.106	309	65	11100	7104	9700
050837	H07RN-F 04G240 SW	0.0801	365	74	14400	9216	13120

part no.	part name	RI [Ohm/km]	I <sub>bl</sub> [A]	Ø [mm]	F <sub>zv</sub> [N]	Cu [kg/km]	G [kg/km]
050062	H07RN-F 05G1,5 SW	13.3	16	11.5	113	72	230
050065	H07RN-F 05G2,5 SW	7.98	21	13.5	188	120	340
051099	H07RN-F 05X2,5 SW	7.98	21	11.1	188	120	340
050067	H07RN-F 05G4 SW	4.95	29	15.9	300	192	470
050068	H07RN-F 05G6 SW	3.3	36	17.9	450	288	630
050063	H07RN-F 05G10 SW	1.91	51	22.3	750	480	1150
050064	H07RN-F 05G16 SW	1.21	67	26.9	1200	768	1540
050066	H07RN-F 05G25 SW	0.78	89	32.5	1875	1200	2200
050160	H07RN-F 05G35 SW	0.554	110	38	2625	1680	2700
050217	H07RN-F 05G50 SW	0.386	138	44.5	3750	2400	3950
050319	H07RN-F 05G70 SW	0.272	172	47	5250	3360	4893
050352	H07RN-F 05G95 SW	0.206	204	58	7125	4560	6600
050858	07RN-F 05G120 SW	0.161	238	61	9000	5760	8051
051080	07RN-F 05G150 SW	0.129	273	73	11250	7200	10500
051668	07RN-F 05G185 SW	0.106	319	74.8	13875	8880	12208
051757	07RN-F 05G240 SW	0.0801	377	81.9	18000	11520	15230
050216	H07RN-F 07G1,5 SW	13.3	16	14.5	158	101	370
050219	H07RN-F 07G2,5 SW	7.98	21	17	263	168	520
051140	H07RN-F 07G4 SW	4.95	29	25.8	420	269	697
052274	H07RN-F 10G1,5 SW	13.3	18	17.2	225	144	457
050215	H07RN-F 12G1,5 SW	13.3	16	18.3	270	175	450
050204	H07RN-F 12G2,5 SW	7.98	21	19	450	288	750
050218	H07RN-F 18G2,5 SW	7.98	21	26	675	432	1032
050220	H07RN-F 19G1,5 SW	13.3	16	23.5	428	274	800
050242	H07RN-F 19G2,5 SW	7.98	21	26.6	713	456	1068
050243	H07RN-F 24G1,5 SW	13.3	16	25.5	540	346	1000
050202	H07RN-F 24G2,5 SW	7.98	21	31.5	900	576	1380
050750	H07RN-F 25G1,5 SW	13.3	16	26	563	360	889
051800	H07RN-F 2X1 GE			8		19	89
051801	H07RN-F 2X1,5 GE			8.9		29	116

RI	Conductor resistance
Ibl	Ampacity in air (30 °C)
Ø	outer diameter approx.
Fzv	Tensile strength (during installation)
Cu	Copper weight (GER)
G	net weight