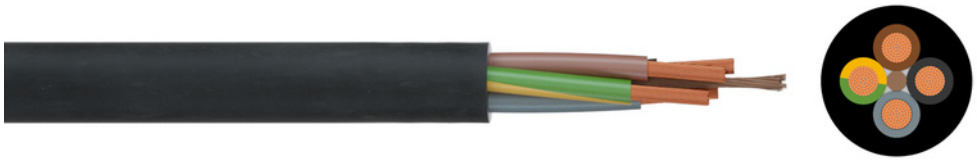
Rubber cable
H07RN-F



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:

CPR-classification according to EN 50575:	Eca
Standard:	EN 50525-2-21
Conductor material:	copper, bare
Conductor construction:	Class 5 = flexible
Insulation:	rubber (EPR) EI4
Sheathing material:	rubber (CR) EM2
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
UV-resistant:	yes
Oil-resistant:	EN 60811-404
Ozone-resistant:	yes
For outdoor use:	yes
Max. temperature at conductor, °C:	60 °C
Permitted outer cable temperature, fixed, °C:	-25 - +55 °C
Permitted outer cable temperature, moved, °C:	-25 - +55 °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 Uo: 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]	Ibl [A]	Ø [mm]	Fzv [N]	Cu [kg/km]	G [kg]
050214	01X1.5	13.3	16.5	5.9	23	14,4	50
050358	01X2.5	7.98	22	6.6	38	24	80
050233	01X4	4.95	30	7.4	60	38	100
050205	01X6	3.3	38	8.1	90	58	130
050033	01X10	1.91	53	9.7	150	96	220
050036	01X16	1.21	71	11	240	154	280
050037	01X25	0.78	94	12.9	375	240	400
050038	01X35	0.554	117	14.6	525	336	520
050039	01X50	0.386	148	16.8	750	480	720
050041	01X70	0.272	185	18.9	1050	672	940
050042	01X95	0.206	222	21.1	1425	912	1220
050034	01X120	0.161	260	23.1	1800	1152	1510
050035	01X150	0.129	300	25.6	2250	1440	1900
050111	01X185	0.106	341	27.9	2775	1776	2300
050113	01X240	0.0801	407	31	3600	2304	2900
050195	01X300	0.0641	468	34.1	4500	2880	3600
050408	01X400	0.0486	553	38.5	6000	3840	4800
051779	01X500	0.0384	634	43.5	7500	4800	5431
050983	01X630	0.0287	742	48.5	9450	6048	6849
050170	02X1	19.5	15	7.8	30	19	100
050043	02X1.5	13.3	18.5	8.7	45	29	130
050044	02X2.5	7.98	25	10.4	75	48	195
050228	02X4	4.95	34	12	120	77	280
050229	02X6	3.3	43	13.3	180	115	400
050880	03X1	19.5	12.5	8.4	45	29	90
050045	03G1	19.5	15.5	8.4	45	29	125
050881	03X1.5	13.3	15.5	9.4	68	43	155
050046	03G1.5	13.3	19.5	9.4	68	43	155
050882	03X2.5	7.98	21	11.1	113	72	235
050048	03G2.5	7.98	26	11.1	113	72	235
050114	03G4	4.95	35	12.9	180	115	310
050883	03X6	3.3	36	14.3	270	173	495
050115	03G6	3.3	44	14.3	270	173	400
050884	03X10	1.9	51	19.3	450	288	730
050101	03G10	1.91	62	19.3	450	288	810
050885	03X16	1.21	67	22.1	720	461	1020
050102	03G16	1.21	82	22.1	720	461	1000
050886	03X25	0.78	89	27	1125	720	1250
050240	03G25	0.78	109	27	1125	720	1250
050887	03X35	0.554	110	29.6	1575	1008	1733
050309	03G35	0.554	135	29.6	1575	1008	1850
050185	03G50	0.386	169	36	2250	1440	3790
050375	04G1	19.5	13	9.5	60	38	129
050050	04G1.5	13.3	16	10.4	90	58	190
050054	04G2.5	7.98	22	12.3	150	96	280
050057	04G4	4.95	30	14.2	240	154	380
050059	04G6	3.3	37	15.9	360	230	510

part no.	part name	Rl [Ohm/km]	Ibl [A]	Ø [mm]	Fzv [N]	Cu [kg/km]	G [kg]
050888	04X10	1.91	52	21.3	600	384	940
050051	04G10	1.91	52	21.3	600	384	940
050889	04X16	1.21	69	24.2	960	614,4	1250
050053	04G16	1.21	69	24.2	960	614	1250
050890	04X25	0.78	92	29.3	1500	960	1850
050055	04G25	0.78	92	29.3	1500	960	1850
050056	04G35	0.554	114	33	2100	1344	2310
050058	04G50	0.386	143	38.2	3000	1920	3160
050060	04G70	0.272	178	43.2	4200	2688	4250
050061	04G95	0.206	210	49	5700	3648	5590
050052	04G120	0.161	246	53.6	7200	4608	6790
050187	04G150	0.129	282	58.7	9000	5760	8230
050196	04G185	0.106	319	65	11100	7104	9700
050837	04G240	0.0801	377	74	14400	9216	13120
050062	05G1.5	13.3	16.5	11.5	113	72	230
050065	05G2.5	7.98	23	13.5	188	120	340
051099	05X2,5	7.98	17	11.1	188	120	340
050067	05G4	4.95	30	15.9	300	192	470
050068	05G6	3.3	38	17.9	450	288	630
050063	05G10	1.91	54	22.3	750	480	1150
050064	05G16	1.21	71	26.9	1200	768	1540
050066	05G25	0.78	94	32.5	1875	1200	2200
050160	05G35	0.554	117	38	2625	1680	2700
050217	05G50	0.386	148	44.5	3750	2400	3950
050319	05G70	0.272	185	47	5250	3360	4893
050352	05G95	0.206	222	58	7125	4560	6600
050858	05G120 (with reference to)	0.161	246	61	9000	5760	8051
051080	05G150 (with reference to)	0.129	282	73	11250	7200	10500
051668	05G185 (with reference to)	0.106	319	74.8	13875	8880	12208
051757	05G240 (with reference to)	0.0801	377	81.9	18000	11520	15230
050216	07G1.5	13.3	15.5	14.5	158	101	370
050219	07G2.5	7.98	21	17	263	168	520
051140	07G4	4.95	29	25.8	420	269	697
052503	07G6 (with reference to)	3.3	36	22.5	630	403,2	915
052274	10G1.5	13.3	15.5	17.2	225	144	457
050215	12G1.5	13.3	15.5	18.3	270	175	450
050204	12G2.5	7.98	21	19	450	288	750
050218	18G2,5	7.98	21	26	675	432	1032
050220	19G1.5	13.3	15.5	23.5	428	274	800
050242	19G2.5	7.98	21	26.6	713	456	1068
050243	24G1.5	13.3	15.5	25.5	540	346	1000
050202	24G2.5	7.98	21	31.5	900	576	1380
050750	25G1.5	13.3	15.5	26	563	360	889
051800	02X1 YE	19.5	15	8	30	19	89
051801	02X1.5 YE	13.3	18.5	8.9	45	29	116
051675	03G1.5 RD - RAL 3000	13.3	19.5	9.4	68	43	155

Rl	Conductor resistance
Ibl	Ampacity in air (30 °C)
Ø	outer diameter approx.
Fzv	Tensile strength (during installation)
Cu	Copper weight (GER)
G	net weight per 1000