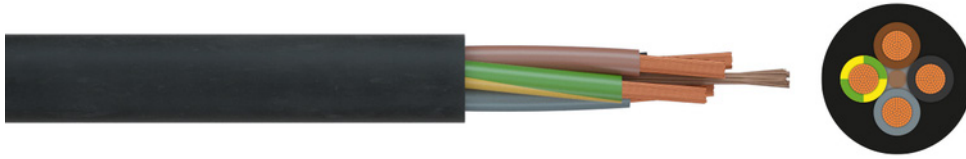


# FRNC rubber cable

## H07ZZ-F



**Application:** These cables are designed for indoor and outdoor installation, particularly for applications where only small quantities of smoke and corrosive gases may be emitted in the event of a fire. When installed in pipes or similar enclosed systems, the use of the cable is permitted up to and including 1000 V AC voltage or up to 750 V DC voltage against earth.

### Construction and technical data:

<b>CPR-classification according to EN 50575:</b>	Cca
<b>Standard:</b>	DIN EN 50525-3-21 (VDE 0285-525-3-21)
<b>Conductor material:</b>	copper, bare
<b>Conductor construction:</b>	Class 5 = flexible
<b>Insulation:</b>	rubber EI8
<b>Sheathing material:</b>	rubber (EPR) EM8
<b>Flame-retardant:</b>	VDE 0482-266-2-4/IEC 60332-3-24 (Cat. C)
<b>Smoke density:</b>	DIN EN 61034/IEC 61034
<b>Halogen-free:</b>	DIN EN 50267/IEC 60754
<b>UV-resistant:</b>	yes
<b>For outdoor use:</b>	yes
<b>Max. temperature at conductor, °C:</b>	90 °C
<b>Permitted outer cable temperature, fixed, °C:</b>	-40 - +70 °C
<b>Permitted outer cable temperature, moved, °C:</b>	-5 - +70 °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	Ø <8 mm	Ø 8-12 mm	Ø 12-20 mm	Ø > 20 mm
fixed installation		3 x Ø		4 x Ø
free movement		5 x Ø		6 x Ø
cable entry		5 x Ø		6 x Ø

**07ZZ-F****Nominal voltage U<sub>o</sub>:**

450 V

**Nominal voltage U:**

750 V

**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	G [kg]
050655	01X1.5	13.3	16.5	6.8	22	14.4	58
050656	01X2.5	7.98	22	7.6	37	24	71
050657	01X4	4.95	30	8.7	60	38	100
050658	01X6	3.3	38	9.7	90	58	130
050659	01X10	1.91	53	11.8	150	96	230
050660	01X16	1.21	71	13.2	240	154	290
050661	01X25	0.78	94	15.8	375	240	420
050662	01X35	0.554	117	17.9	525	336	530
050663	01X50	0.386	148	20.5	750	480	750
050664	01X70	0.272	185	23.3	1050	672	960
050665	01X95	0.206	222	25.9	1425	912	1250
050666	01X120	0.161	260	28.6	1800	1152	1560
050667	01X150	0.129	300	31.4	2250	1440	1900
050668	01X185	0.106	341	34.4	2775	1776	2300
050669	01X240	0.0801	407	38.3	3600	2304	2950
050670	01X300	0.0641	468	40.2	4500	2880	3600
050671	01X400	0.0486	553	44.9	6000	3840	4600
050672	01X500	0.0384	634	49.8	7500	4800	6000
052881	01X630	0.0287	742	57	9450	6048	6800
050673	02X1	19.5	15	9.2	30	19	95
050674	02X1.5	13.3	18.5	10.2	45	29	116
050675	02X2.5	7.98	25	12.2	75	48	170
050676	02X4	4.95	34	14.2	120	77	239
050677	02X6	3.3	43	15.8	180	115	319
050678	02X10	1.91	60	21.3	300	192	572
050679	02X16	1.21	79	24.5	480	307	767
050680	02X25	0.78	105	29.2	750	480	1154
050681	03G1	19.5	15.5	10.1	45	29	115
050682	03G1.5	13.3	19.5	11.9	67	43	144
050683	03G2.5	7.98	26	14	112	72	207
050684	03G4	4.95	35	16.2	180	115	290
050685	03G6	3.3	44	17.9	270	173	380
050686	03G10	1.91	62	24.1	450	288	706
050687	03G16	1.21	82	27.5	720	461	956
050688	03G25	0.78	109	32.9	1125	720	1438
050689	03G35	0.554	135	37.1	1575	1008	1814
050690	03G50	0.386	169	42.9	2250	1440	2550
050691	03G70	0.272	211	48.3	3150	2016	3210
050692	03G95	0.206	250	53.9	4275	2736	4423
050693	03G120	0.161	292	59.8	5400	3456	5405
050694	03G150	0.129	335	65.7	6750	4320	6725
050695	03G185	0.106	378	71.9	8325	5328	8222
050696	03G240	0.0801	447	81.8	10800	6912	10224
050697	03G300	0.0641	509	89.8	13500	8640	12620
050698	04G1	19.5	13	11.1	60	38	141
050699	04G1.5	13.3	16	12.9	90	58	176
050700	04G2.5	7.98	22	15.3	150	96	235
050701	04G4	4.95	30	17.7	240	154	365

part no.	part name	RI [Ohm/km]	Ibl [A]	Ø [mm]	Fzv [N]	Cu	G [kg]
050702	04G6	3.3	37	19.8	360	230	501
050703	04G10	1.91	52	26.5	600	384	864
050704	04G16	1.21	69	30.1	960	614	1194
050705	04G25	0.78	92	36.6	1500	960	1804
050706	04G35	0.554	114	41.1	2100	1344	2307
050707	04G50	0.386	143	47.5	3000	1920	3200
050708	04G70	0.272	178	53.8	4200	2688	4130
050709	04G95	0.206	210	60.9	5700	3648	5720
050710	04G120	0.161	246	65.8	7200	4608	6965
050711	04G150	0.129	282	72.7	9000	5760	8644
050712	04G185	0.106	319	80.1	11100	7104	10598
050713	04G240	0.0801	377	86.4	14400	9216	12100
050714	04G300	0.0641	430	96.5	18000	11520	15200
050715	05G1	19.5	13.5	12.2	75	48	170
050716	05G1.5	13.3	16.5	14.2	112	72	214
050717	05G2.5	7.98	23	16.9	187	120	316
050718	05G4	4.95	30	19.8	300	192	448
050719	05G6	3.3	38	22.1	450	288	607
050720	05G10	1.91	54	29.1	750	480	1061
050721	05G16	1.21	71	33.3	1200	768	1457
050722	05G25	0.78	94	38.4	1875	1200	2224
051002	05G35 (with reference to)	0.554	117	37	2526	1680	2700
051577	05G50 (with reference to)	0.386	148	43.4	3750	2400	3863
054439	05G95 (with reference to)	0.206	222	56.2	7125	4560	6520
050723	06G1.5	13.3	11.6	16.2	135	86.4	287
050724	06G2.5	7.98	15.8	19.1	225	144	420
050725	06G4	4.95	21.8	22.1	360	230	583
050726	07G1.5	13.3	10.1	19.1	157	101	303
050727	07G2.5	7.98	13.7	21.5	262	168	448
051141	07G4	4.95	18.9	38.4	420	269	697
050728	12G1.5	13.3	7.8	22.4	270	173	496
050729	12G2.5	7.98	10.5	26.2	450	288	724
050730	12G4	4.95	14.5	30.9	720	461	1042
050865	14G2.5 (with reference to)	7.98	10.5	25	525	336	860
050731	18G1.5	13.3	7	26.3	405	259	702
050732	18G2.5	7.98	9.5	29.3	675	432	1045
050733	18G4	4.95	13.1	36.4	1080	691	1430
050734	24G1.5	13.3	6.2	30.7	540	346	935
050735	24G2.5	7.98	8.4	34.6	900	576	1325
051114	27G1.5 (with reference to)	13.3	5.4	26.2	607	389	975
051115	27G2.5 (with reference to)	7.98	7.4	30.2	1012	648	1375
050736	36G1.5	13.3	5.4	35.2	810	518	1297
050737	36G2.5	7.98	7.4	41.8	1350	864	1949
050863	37G1.5 (with reference to)	13.3	5.4	36.2	832	533	1317
050864	52G1.5 (with reference to)	13.3	4.7	43.1	1170	749	1766

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 per 1000