

# FRNC wire

## H07Z-K



**Application:** For installation in pipes and ducts on and under plaster, in closed installation ducts and for the internal wiring of electrical appliances, switching and distribution tools. Primarily in buildings with a high concentration of people and material assets as well as in buses and rail-borne vehicles.

### Construction and technical data:

<b>CPR-classification according to EN 50575:</b>	Eca
<b>Standard:</b>	EN 50525-3-41
<b>Conductor material:</b>	copper, bare
<b>Conductor construction:</b>	Class 5 = flexible
<b>Insulation:</b>	polyolefin EI5, halogen-free, cross-linked
<b>Flame-retardant:</b>	VDE 0482-332-1-2/IEC 60332-1-2
<b>Smoke density:</b>	DIN EN 61034/IEC 61034
<b>Halogen-free:</b>	DIN EN 50267/IEC 60754
<b>Max. temperature at conductor, °C:</b>	90 °C
<b>Permitted outer cable temperature, fixed, °C:</b>	-5 - +90 °C
<b>Bending radius, fixed installation:</b>	4 x Ø



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.

### H07Z-K

<b>Nominal voltage U<sub>0</sub>:</b>	450 V
<b>Nominal voltage U:</b>	750 V
<b>Test voltage:</b>	2.5 kV

part no.	part name	DI [mm]	RI [Ohm/km]	Wi [mm]	I <sub>bl</sub> [A]	Ø [mm]	Cu	G [kg]
040264	1X1.5 BK	1.8	13.3	0.7	17	3.1	14,4	21
040265	1X1.5 GN-YE	1.8	13.3	0.7	17	3.1	14,4	21
040267	1X1.5 LBU	1.8	13.3	0.7	17	3.1	14,4	21
040266	1X1.5 BN	1.8	13.3	0.7	17	3.1	14,4	21
040327	1X1.5 DBU	1.8	13.3	0.7	17	3.1	14,4	21
040326	1X1.5 RD	1.8	13.3	0.7	17	3.1	14,4	21

part no.	part name	DI [mm]	RI [Ohm/km]	Wi [mm]	Ibl [A]	Ø [mm]	Cu	G [kg]
041353	1X1.5 OG	1.8	13.3	0.7	17	3.1	14,4	21
040268	1X2.5 BK	2.6	7.98	0.8	23	3.8	24	34
040269	1X2.5 GN-YE	2.6	7.98	0.8	23	3.8	24	34
040271	1X2.5 LBU	2.6	7.98	0.8	23	3.8	24	34
040270	1X2.5 BN	2.6	7.98	0.8	23	3.8	24	34
040329	1X2.5 DBU	2.6	7.98	0.8	23	3.8	24	34
040328	1X2.5 RD	2.6	7.98	0.8	23	3.8	24	34
041354	1X2.5 OG	2.6	7.98	0.8	23	3.8	24	34
041355	1X2.5 GY	2.6	7.98	0.8	23	3.8	24	34
040272	1X4 BK	3.2	4.95	0.8	31	4.4	38	47
040274	1X4 GN-YE	3.2	4.95	0.8	31	4.4	38	47
040276	1X4 LBU	3.2	4.95	0.8	31	4.4	38	47
040275	1X4 BN	3.2	4.95	0.8	31	4.4	38	47
040331	1X4 DBU	3.2	4.95	0.8	31	4.4	38	47
040330	1X4 RD	3.2	4.95	0.8	31	4.4	38	47
041356	1X4 GY	3.2	4.95	0.8	31	4.4	38	47
040277	1X6 BK	3.9	3.3	0.8	40	5.4	58	72
040278	1X6 GN-YE	3.9	3.3	0.8	40	5.4	58	72
040280	1X6 LBU	3.9	3.3	0.8	40	5.4	58	72
040279	1X6 BN	3.9	3.3	0.8	40	5.4	58	72
040333	1X6 DBU	3.9	3.3	0.8	40	5.4	58	72
040332	1X6 RD	3.9	3.3	0.8	40	5.4	58	72
041357	1X6 GY	3.9	3.3	0.8	40	5.4	58	72
040281	1X10 BK	5.1	1.91	1	54	6.5	96	120
040282	1X10 GN-YE	5.1	1.91	1	54	6.5	96	120
040767	1X10 LBU	5.1	1.91	1	54	6.5	96	120
040335	1X10 DBU	5.1	1.91	1	54	6.5	96	120
040334	1X10 RD	5.1	1.91	1	54	6.5	96	120
040283	1X16 BK	6.3	1.21	1	73	7.3	154	170
040284	1X16 GN-YE	6.3	1.21	1	73	7.3	154	170
040768	1X16 LBU	6.3	1.21	1	73	7.3	154	170
040337	1X16 DBU	6.3	1.21	1	73	7.3	154	170
040336	1X16 RD	6.3	1.21	1	73	7.3	154	170
040285	1X25 BK	7.8	0.78	1.2	95	9.5	240	260
040286	1X25 GN-YE	7.8	0.78	1.2	95	9.5	240	260
040769	1X25 LBU	7.8	0.78	1.2	95	9.5	240	260
040339	1X25 DBU	7.8	0.78	1.2	95	9.5	240	260
040338	1X25 RD	7.8	0.78	1.2	95	9.5	240	260
040301	1X35 BK	9.2	0.554	1.2	117	10.9	336	360
040311	1X35 GN-YE	9.2	0.554	1.2	117	10.9	336	360
040302	1X50 BK	11	0.386	1.4	141	11.7	480	515
040312	1X50 GN-YE	11	0.386	1.4	141	11.7	480	515
040303	1X70 BK	13.1	0.272	1.4	179	13.5	672	710
040313	1X70 GN-YE	13.1	0.272	1.4	179	13.5	672	710
040304	1X95 BK	15	0.206	1.6	216	15.5	912	940
040314	1X95 GN-YE	15	0.206	1.6	216	15.5	912	940
040305	1X120 BK	17	0.161	1.6	249	17	1152	1180
040315	1X120 GN-YE	17	0.161	1.6	249	17	1152	1180
040306	1X150 BK	19	0.129	1.8	285	19	1440	1600
040316	1X150 GN-YE	19	0.129	1.8	285	19	1440	1600
040308	1X185 BK	21	0.106	2	324	21	1776	2100
040317	1X185 GN-YE	21	0.106	2	324	21	1776	2100
040309	1X240 BK	24	0.0801	2.2	380	24	2304	3015
040318	1X240 GN-YE	24	0.0801	2.2	380	24	2304	3015

DI	diameter conductor
RI	Conductor resistance
Wi	Insulation wall thickness
Ibl	Ampacity in air (30 °C)
Ø	outer diameter approx.
Cu	Copper weight (GER)
G	net weight per 1000