

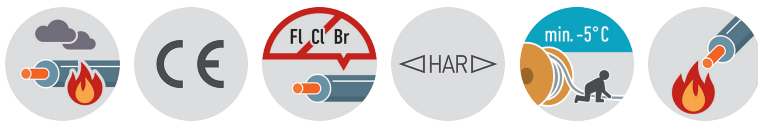
# FRNC wire H05Z-K



**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>	DIN EN 50525-3-41 (VDE 0285-525-3-41)
<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.

## H05Z-K

<b>Nominal voltage U<sub>o</sub>:</b>	300 V
<b>Nominal voltage U:</b>	500 V
<b>Test voltage:</b>	2 kV

part no.	part name	DI [mm]	RI [Ohm/km]	Wi [mm]	Ø [mm]	Cu	G [kg]
040287	1X0.5 BK	1.1	39	0.6	1.9	4.8	9
040288	1X0.5 GN-YE	1.1	39	0.6	1.9	4.8	9
040433	1X0.5 GY	1.1	39	0.6	1.9	4.8	9
040290	1X0.5 LBU	1.1	39	0.6	1.9	4.8	9
040289	1X0.5 BN	1.1	39	0.6	1.9	4.8	9
040321	1X0.5 DBU	1.1	39	0.6	1.9	4.8	9

part no.	part name	DI [mm]	RI [Ohm/km]	Wi [mm]	Ø [mm]	Cu	G [kg]
040320	1X0.5 RD	1.1	39	0.6	1.9	4.8	9
040291	1X0.75 BK	1.3	26	0.6	2.2	7.2	13
040292	1X0.75 GN-YE	1.3	26	0.6	2.2	7.2	13
040294	1X0.75 LBU	1.3	26	0.6	2.2	7.2	13
040293	1X0.75 BN	1.3	26	0.6	2.2	7.2	13
040323	1X0.75 DBU	1.3	26	0.6	2.2	7.2	13
040322	1X0.75 RD	1.3	26	0.6	2.2	7.2	13
040698	1X0.75 OG	1.3	26	0.6	2.2	7.2	12
040295	1X1 BK	1.5	19.5	0.6	2.5	9.6	15
040296	1X1 GN-YE	1.5	19.5	0.6	2.5	9.6	15
040434	1X1 GY	1.5	19.5	0.6	2.5	9.6	15
040298	1X1 LBU	1.5	19.5	0.6	2.5	9.6	15
040297	1X1 BN	1.5	19.5	0.6	2.5	9.6	15
040325	1X1 DBU	1.5	19.5	0.6	2.5	9.6	15
040324	1X1 RD	1.5	19.5	0.6	2.5	9.6	15

DI	diameter conductor
RI	Conductor resistance
Wi	Insulation wall thickness
Ø	outer diameter approx.
Cu	Copper weight (GER)
G	net weight per 1000