

# LSOH building wire NHXMH-J/-O (B2ca)



**Application:** Low-smoke, zero-halogen, flame-retardant building wire, for installation on and under plaster in dry and wet rooms, as well as in concrete (except for shaken, jolted, tamped concrete). For indoor use only, primarily in buildings with a high concentration of people and material assets.

## Construction and technical data:

<b>CPR-classification according to EN 50575:</b>	B2ca
<b>Standard:</b>	VDE 0250 T. 214
<b>Conductor material:</b>	copper, bare
<b>Conductor construction:</b>	class 1, up from 16 sqmm class 2
<b>Insulation:</b>	XLPE 2X11
<b>Sheathing material:</b>	FRNC-compound HM2
<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>Max. temperature at conductor, °C:</b>	70 °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.

## NHXMH-J

<b>Nominal voltage U<sub>0</sub>:</b>	300 V
<b>Nominal voltage U:</b>	500 V
<b>Test voltage:</b>	2 kV
<b>Protective conductor:</b>	yes
<b>Core identification:</b>	colours acc. to VDE 0293 (HD308)

part no.	part name		RI [Ohm/km]	I <sub>bl</sub> [A]	R <sub>bv</sub> [mm]	Ø [mm]	Cu	G [kg]
020351	01X4	RE	4.61	24	28	7	39	135
020352	01X6	RE	3.08	31	29.6	7.4	58	150

part no.	part name		RI [Ohm/km]	Ibl [A]	Rbv [mm]	Ø [mm]	Cu	G [kg]
020353	01X10	RE	1.83	41	31.2	7.8	96	200
020354	01X16	RM	1.15	55	38.4	9.6	154	295
020355	01X25	RM	0.727	80	48	12	240	350
020356	03X1.5	RE	12.1	19.5	34.4	8.6	43	130
020357	03X2.5	RE	7.41	27	38	9.5	72	165
020358	03X4	RE	4.61	36	42	10.7	115	235
020359	03X6	RE	3.08	46	49.2	12.3	173	320
020360	03X10	RE	1.83	63	59.2	14.8	288	480
020361	04X1.5	RE	12.1	17.5	36.8	9.2	58	150
020362	04X2.5	RE	7.41	24	40.8	10.2	96	200
020363	04X4	RE	4.61	32	48.8	12.2	154	300
020364	04X6	RE	3.08	41	52.8	13.2	230	395
020365	04X10	RE	1.83	57	63.2	15.8	384	595
020366	04X16	RM	1.15	76	80	20	614	935
020367	04X25	RM	0.727	96	98	24.5	960	1420
020368	04X35	RM	0.524	119	110	27.5	1344	1910
020369	05X1.5	RE	12.1	17.5	39.2	9.8	72	175
020370	05X2.5	RE	7.41	24	42.8	10.7	120	235
020371	05X4	RE	4.61	32	52.8	13.2	192	350
020372	05X6	RE	3.08	41	177.6	14.8	288	480
020373	05X10	RE	1.83	57	69.6	17.4	480	710
020374	05X16	RM	1.15	76	88	22	768	1140
020375	05X25	RM	0.727	96	112	28	1200	1900
020377	07X1.5	RE	12.1	19.5	40.8	10.2	101	210
020378	07X2.5	RE	7.41	27	48.8	12.2	168	300

#### NHXMH-O

<b>Nominal voltage Uo:</b>	300 V
<b>Nominal voltage U:</b>	500 V
<b>Test voltage:</b>	2 kV
<b>Protective conductor:</b>	no
<b>Core identification:</b>	colours acc. to VDE 0293 (HD308)

part no.	part name		RI [Ohm/km]	Ibl [A]	Rbv [mm]	Ø [mm]	Cu	G [kg]
020381	02X1.5	RE	12.1	14	32.8	8.2	29	110
020382	02X2.5	RE	7.41	18	36	9	48	130

RI	Conductor resistance
Ibl	Ampacity in air (30 °C)
Rbv	Bending radius, fixed installation
Ø	outer diameter approx.
Cu	Copper weight (GER)
G	net weight per 1000