

LSOH building wire NHXMH-J/-O acc. to VDE 0250 T. 214



conductor material: bare copper
insulation: XLPE 2XI1
sheathing material: FRNC-compound HM2
flame retardant: VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
smoke density: DIN EN 61034/IEC 61034
halogen free: DIN EN 50267/IEC 60754
maximum temperature at conductor: 70 °C
max. operating temperature, 70 °C
fixed:

	NHXMH-J	NHXMH-O
nominal voltage U₀:	300 V	300 V
nominal voltage U:	500 V	500 V
test voltage:	2 kV	2 kV
core identification:	colours acc. VDE 0293 (HD308)	colours acc. VDE 0293 (HD308)

Application: Low-smoke zero-halogen flame retardant building wire for installation on and under plaster, in cable ducts and conduits. For indoor use only.



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.

Table: Technical characteristics NHXMH-J

p/n	part name		R _l [Ω/km]	I _{bl} [A]	R _{bv} [mm]	D _A [mm]	Cu [kg/km]	G [kg]
020278	NHXMH-J 01X1,5 GR	RE	12,1	14	78	5,2	15	75
020279	NHXMH-J 01X2,5 GR	RE	7,41	18	84	5,6	24	85
020232	NHXMH-J 01X4 GR	RE	4,61	24	105	7	39	135
020280	NHXMH-J 01X6 GR	RE	3,08	31	111	7,4	58	150
020281	NHXMH-J 01X10 GR	RE	1,83	41	117	7,8	96	200
020233	NHXMH-J 01X16 GR	RM	1,15	55	144	9,6	154	295
020282	NHXMH-J 01X25 GR	RM	0,727	80	180	12	240	350
020185	NHXMH-J 03X1,5 GR	RE	12,1	14	103,2	8,6	43	130
020188	NHXMH-J 03X2,5 GR	RE	7,41	18	114	9,5	72	165
020206	NHXMH-J 03X4 GR	RE	4,61	24	128,4	10,7	115	235
020207	NHXMH-J 03X6 GR	RE	3,08	31	147,6	12,3	173	320
020208	NHXMH-J 03X10 GR	RE	1,83	41	177,6	14,8	288	480
020192	NHXMH-J 04X1,5 GR	RE	12,1	14	110,4	9,2	58	150
020209	NHXMH-J 04X2,5 GR	RE	7,41	18	122,4	10,2	96	200
020187	NHXMH-J 04X4 GR	RE	4,61	24	146,4	12,2	154	300
020189	NHXMH-J 04X6 GR	RE	3,08	31	158,4	13,2	230	395
020210	NHXMH-J 04X10 GR	RE	1,83	41	189,6	15,8	384	595
020190	NHXMH-J 04X16 GR	RM	1,15	55	240	20	614	935
020191	NHXMH-J 04X25 GR	RM	0,727	80	294	24,5	960	1420
020211	NHXMH-J 04X35 GR	RM	0,524	88	330	27,5	1344	1910
020214	NHXMH-J 05X1,5 GR	RE	12,1	14	117,6	9,8	72	175

p/n	part name		R_l [Ω/km]	I_{bl} [A]	R_{bv} [mm]	D_A [mm]	Cu [kg/km]	G [kg]
020195	NHXMH-J 05X2,5 GR	RE	7,41	18	128,4	10,7	120	235
020179	NHXMH-J 05X4 GR	RE	4,61	24	158,4	13,2	192	350
020196	NHXMH-J 05X6 GR	RE	3,08	31	177,6	14,8	288	480
020212	NHXMH-J 05X10 GR	RE	1,83	41	208,8	17,4	480	710
020194	NHXMH-J 05X16 GR	RM	1,15	55	264	22	768	1140
020277	NHXMH-J 05X25 GR	RM	0,727	80	336	28	1200	1900
020197	NHXMH-J 07X1,5 GR	RE	12,1	14	122,4	10,2	101	210
020213	NHXMH-J 07X2,5 GR	RE	7,41	18	146,4	12,2	168	300
020229	NHXMH-J 10X1,5 GR	RE	12,1	14	174	14,5	144	280
020230	NHXMH-J 12X1,5 GR	RE	12,1	14	198	16,5	173	320
020231	NHXMH-J 24X1,5 GR	RE	12,1	14	240	20	346	570
020296	NHXMH-J 24X2,5 GR	RE	7,41	18	276	23	576	787

Table: Technical characteristics NHXMH-O

p/n	part name		R_l [Ω/km]	I_{bl} [A]	R_{bv} [mm]	D_A [mm]	Cu [kg/km]	G [kg]
020198	NHXMH-O 01X1,5 GR	RE	12,1	14		5,2	15	92
020199	NHXMH-O 01X2,5 GR	RE	7,41	19		5,6	24	110
020200	NHXMH-O 01X4 GR	RE	4,61	24		7,1	39	135
020201	NHXMH-O 01X6 GR	RE	3,08	31		7,4	58	160
020202	NHXMH-O 01X10 GR	RE	1,83	41		7,8	96	215
020203	NHXMH-O 01X16 GR	RM	1,15	55	132	8,8	154	295
020204	NHXMH-O 02X1,5 GR	RE	12,1	14	98,4	8,2	29	110
020205	NHXMH-O 02X2,5 GR	RE	7,41	18	108	9	48	130
020327	NHXMH-O 02X4 GR	RE	4,61	24		9,8	77	173
020328	NHXMH-O 02X6 GR	RE	3,08	31		10,8	115	226
020329	NHXMH-O 02X10 GR	RE	1,83	41		13,3	192	356
020234	NHXMH-O 04X10 GR	RE	1,83	41	188,4	15,7	384	615
020235	NHXMH-O 04X16 GR	RM	1,15	55	234	19,5	614	935
020236	NHXMH-O 04X25 GR	RM	0,727	80	285,6	23,8	960	1420

R_l	conductor resistance
I_{bl}	ampacity (in air)
R_{bv}	bending radius, fixed installation
D_A	outer diameter
Cu	copper
G	weight