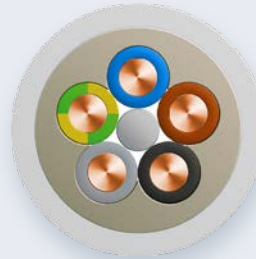


Installation cables

DIN VDE 0250-214



Advantages

- Cross-linked insulation
- Flame retardant
- Halogen-free
- In compliance with RoHS directive

NHXMH

Applications

Halogen-free cable:

- for use in buildings and areas where people gather and in facilities with high requirements regarding safeguarding of valuables
- for fixed installation in cable ducts and tubes in dry, damp and wet rooms.

Construction

- | | |
|-----------------------|------------------------------------|
| ■ Conductors | Bare annealed copper |
| ■ Insulation | Polymer halogen-free, cross-linked |
| ■ Inner covering | filler halogen-free |
| ■ Sheath | Polymer compound |
| ■ Core identification | acc. to VDE 0293 resp. HD 308 S2 |
| ■ Sheath colour | Light grey |

Electrical characteristics

Rated voltage	U_0/U 300/500 V
Test voltage	2 kV with 50 Hz

Thermal characteristics

Operation temperature	-30 °C up to +70 °C
Laying temperature	-5 °C up to +50 °C
Short circuit temperature	+250 °C (temperature peak < 5 s)

Bending radius

cable design	single core	multiple core
during laying	$> 15 \times \text{outer } \varnothing$	$> 12 \times \text{outer } \varnothing$
fixed	$> 8 \times \text{outer } \varnothing$	$> 7 \times \text{outer } \varnothing$

Laying conditions

- Fixed installation indoor, in masonry and concrete, except the laying in compressed concrete and the laying in the ground
- Suitable for outdoor laying without direct sun exposure

Standards / Material properties

- Halogen-free: IEC 60754-1, EN 50267-2-1, VDE 0482-267-2-1
- No corrosive gases: IEC 60754-2, EN 50267-2-2, VDE 0482-267-2-2
- Low smoke density: IEC 61034-1 and -2, EN 61034-1 and -2, VDE 0482-1034-1 and -2
- Flame retardant: IEC 60332-1, EN 60332-1, VDE 0482-332-1
- No flame propagation: IEC 60332-3-10 and -3-24, EN 60332-3-10, -24, VDE 0482-332-3-24

Cable type	Construction	Core function	Outer Ø	Weight	Cu factor	Order no.	
						Germany	Switzerland
	n × mm ²		mm	kg / km	kg / km		
NHXMH-J	1 × 4 RE	PE	6.4	72	38	LKI 8007 7500 0000	
NHXMH-J	1 × 6 RE	PE	6.9	93	58	LKI 8007 7600 0000	
NHXMH-J	1 × 10 RE	PE	7.9	138	96	LKI 8007 7700 0000	
NHXMH-J	1 × 16 RM	PE	9.3	205	154	LKI 8007 7800 0000	
NHXMH-J	3 × 1.5 RE	LNPE	8.3	121	43	LKI 8007 8400 0000	
NHXMH-J	3 × 2.5 RE	LNPE	9.1	160	72	LKI 8007 8500 0000	
NHXMH-J	3 × 4 RE	LNPE	11.3	226	115	LKI 8007 8600 0000	
NHXMH-J	3 × 6 RE	LNPE	12.2	310	173	LKI 8007 8700 0000	
NHXMH-J	3 × 10 RE	LNPE	14.4	469	288	LKI 8007 8800 0000	
NHXMH-J	4 × 1.5 RE	3LPE	9.0	143	58	LKI 8007 9200 0000	
NHXMH-J	4 × 2.5 RE	3LPE	10.0	191	96	LKI 8007 9300 0000	
NHXMH-J	4 × 4 RE	3LPE	12.0	284	154	LKI 8007 9400 0000	
NHXMH-J	4 × 6 RE	3LPE	13.3	376	230	LKI 8007 9500 0000	
NHXMH-J	4 × 10 RE	3LPE	15.8	575	384	LKI 8007 9600 0000	
NHXMH-J	4 × 16 RM	3LPE	19.1	887	614	LKI 8007 9700 0000	
NHXMH-J	5 × 1.5 RE	3LNPE	9.8	167	72	LKI 8008 0000 0000	
NHXMH-J	5 × 2.5 RE	3LNPE	10.8	226	120	LKI 8008 0100 0000	
NHXMH-J	5 × 4 RE	3LNPE	13.0	338	192	LKI 8008 0200 0000	
NHXMH-J	5 × 6 RE	3LNPE	14.4	451	288	LKI 8008 0300 0000	
NHXMH-J	5 × 10 RE	3LNPE	17.2	705	480	LKI 8008 0400 0000	
NHXMH-J	5 × 16 RM	3LNPE	22.2	1096	768	LKI 8008 0500 0000	
NHXMH-J	5 × 25 RM	3LNPE	26.0	1690	1200	LKI 8008 0600 0000	
NHXMH-J	7 × 1.5 RE	NRPE	10.5	204	101	LKI 8008 0800 0000	
NHXMH-J	7 × 2.5 RE	NRPE	11.8	293	168	LKI 8008 0900 0000	
NHXMH-J	10 × 1.5 RE	NRPE	12.8	325	144	LKI 8008 1100 0000	
NHXMH-J	12 × 1.5 RE	NRPE	13.2	361	173	LKI 8008 1300 0000	

-J = with gn/ye conductor ●
 -O = without gn/ye conductor
 RE = round solid, class 1
 RM = round stranded, class 2

L = colour phase conductor br/bk/gr ● ● ●
 N = colour neutral conductor bl ●
 NR = colour phase conductors bk ● / numbered
 PE = colour earth conductor gn/ye ●

Further designs upon request