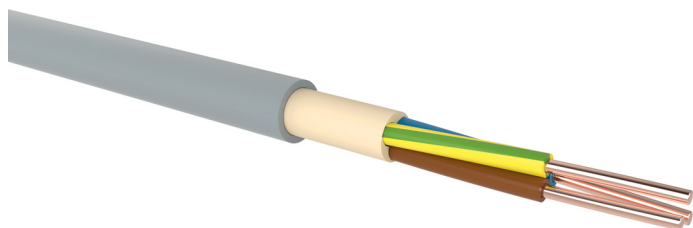


NHXMH

XLPE/FRNC installation cable

DESIGN



- 1 | Copper conductor, round solid (RE) resp. round stranded (RM)
- 2 | Core insulation (XLPE)
- 3 | Inner covering (halogen-free polymer compound)
- 4 | Sheath (halogen-free polymer compound grey RAL 7035)

APPLICATION

Cable for fixed installation on, in and under plaster, in dry, damp and wet locations and in masonry. Not suitable for installation in concrete or outdoors. The halogen-free cable provides improved fire resistance and is primarily used where large concentrations of people and valuable assets must be protected from fire damage.

TECHNICAL DATA



Standard:
DIN VDE 0250-214



Rated voltage:
300/500 V (U₀/U)



Test voltage:
2 kV / 50 Hz



Temperature range:
laying temperature: min. -5 °C
fixed: -40 °C up to 70 °C
moved: 5 °C up to 70 °C
conductor temperature: max. 70 °C
short circuit temperature: max. 160 °C/5 s



Bending radius (min.):
4 x Ø of cable



Core identification:
HD 308 S2



Fire properties:
EN 60332-1-2: flame retardant
EN 60754-1 and 2: halogen-free; non-corrosive combustion gases
EN 60332-3-22 and 24: reduced flame propagation
EN 61034-2: low smoke emission



Certificate:
VDE Germany

Number of cores x nominal cross-section (mm ²)	Max. conductor resistance (Ω/km)	Outer diameter (mm) appr.	Total weight (kg/km) appr.	Standard lengths/packing (m)
NHXMH				
2 x 1.5 RE	12.1	8.0	120	500 D, 1000 D
3 x 1.5 RE	12.1	8.4	133	500 D, 1000 D
4 x 1.5 RE	12.1	9.0	142	500 D, 1000 D
5 x 1.5 RE	12.1	9.6	183	500 D, 1000 D
7 x 1.5 RE	12.1	10.0	250	500 D, 1000 D
10 x 1.5 RE	12.1	12.9	287	500 D, 1000 D
12 x 1.5 RE	12.1	16.5	320	500 D, 1000 D
2 x 2.5 RE	7.41	8.8	150	500 D, 1000 D
3 x 2.5 RE	7.41	9.3	176	100 R, 500 Sp
4 x 2.5 RE	7.41	10.0	188	500 D, 1000 D
5 x 2.5 RE	7.41	10.5	249	500 D, 1000 D
7 x 2.5 RE	7.41	14.0	339	500 D, 1000 D
3 x 4 RE	4.61	10.5	247	500 D, 1000 D

NHXMH

XLPE/FRNC installation cable

Number of cores x nominal cross-section (mm ²)	Max. conductor resistance (Ω/km)	Outer diameter (mm) appr.	Total weight (kg/km) appr.	Standard lengths/ packing (m)
NHXMH				
4 x 4 RE	4.61	12.0	279	500 D, 1000 D
5 x 4 RE	4.61	13.0	370	500 D, 1000 D
3 x 6 RE	3.08	12.0	335	500 D, 1000 D
4 x 6 RE	3.08	12.5	371	500 D, 1000 D
5 x 6 RE	3.08	14.5	488	500 D, 1000 D
3 x 10 RE	1.83	14.5	496	500 D, 1000 D
4 x 10 RE	1.83	15.5	569	500 D, 1000 D
5 x 10 RE	1.83	17.0	739	500 D, 1000 D
5 x 10 RM	1.83	17.0	717	500 D, 1000 D
4 x 16 RM	1.15	20.3	946	500 D, 1000 D
5 x 16 RM	1.15	21.0	1086	500 D, 1000 D
4 x 25 RM	0.727	25.1	1439	500 D, 1000 D
5 x 25 RM	0.727	25.5	1597	500 D, 1000 D
4 x 35 RM	0.524	26.5	1731	500 D, 1000 D

Technical changes reserved. All figures are therefore without guarantee.

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