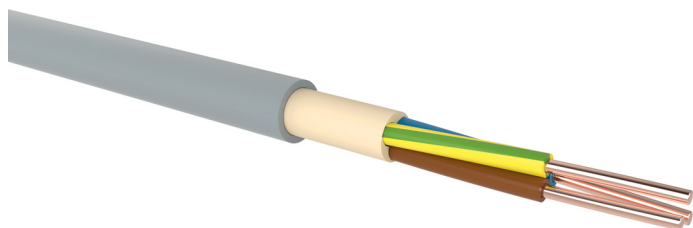


NHXMH

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)

APPLICATION

As installation cable for fixed installation over, on, in and under plaster, in dry, damp and wet premises and in masonry and also in the open air but not for direct burial. Since they are free from halogens and exhibit enhanced fire performance, these cables are used in those applications where in the event of fire, the negative effects on concentrations of people and valuable material goods must be minimised.

TECHNICAL DATA



Standard:
DIN VDE 0250-214



Rated voltage:
300/500 V



Test voltage:
core / core 2 kV / 50 Hz



Temperature range:
laying temperature: min. 5 °C
- fixed: -40 °C up to 70 °C
- in motion: 5 °C up to 70 °C
conductor temperature: max. 70 °C
short circuit temperature: max. 250 °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 60754-2: halogen-free, non-corrosive combustion gases
EN IEC 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
NHXMH				
2 x 1.5 RE	12.1	9.1	125	500 D, 1000 D
3 x 1.5 RE	12.1	9.5	140	500 D, 1000 D
4 x 1.5 RE	12.1	10.1	165	500 D, 1000 D
5 x 1.5 RE	12.1	10.8	190	500 D, 1000 D
7 x 1.5 RE	12.1	11.6	230	500 D, 1000 D
10 x 1.5 RE	12.1	14.0	325	500 D, 1000 D
12 x 1.5 RE	12.1	15.0	365	500 D, 1000 D
2 x 2.5 RE	7.41	9.9	160	500 D, 1000 D
3 x 2.5 RE	7.41	10.3	180	500 D, 1000 D
4 x 2.5 RE	7.41	11.1	215	500 D, 1000 D
5 x 2.5 RE	7.41	11.9	250	500 D, 1000 D
7 x 2.5 RE	7.41	14.0	340	500 D, 1000 D
3 x 4 RE	4.61	11.8	255	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
NHXMH				
4 x 4 RE	4.61	13.1	315	500 D, 1000 D
5 x 4 RE	4.61	14.5	385	500 D, 1000 D
3 x 6 RE	3.08	13.3	345	500 D, 1000 D
4 x 6 RE	3.08	14.7	430	500 D, 1000 D
5 x 6 RE	3.08	15.9	490	500 D, 1000 D
3 x 10 RE	1.83	15.8	520	500 D, 1000 D
4 x 10 RE	1.83	17.1	625	500 D, 1000 D
5 x 10 RE	1.83	18.2	735	500 D, 1000 D
4 x 16 RM	1.15	20.3	950	500 D, 1000 D
5 x 16 RM	1.15	22.5	1120	500 D, 1000 D
4 x 25 RM	0.727	25.1	1440	500 D, 1000 D
4 x 35 RM	0.524	28.5	1880	500 D, 1000 D

Technical changes reserved. All figures are therefore without guarantee.