

NHXH FE180/E90

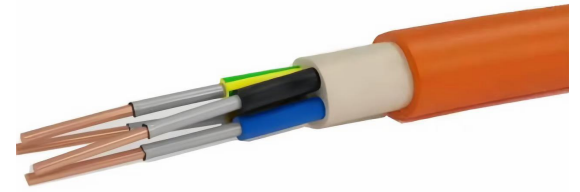
Construction

Conductor: RE: Class 1 solid copper conductor RM: Class 2 stranded copper conductor

Insulation: Mica glass tape covered by extruded cross-linked XLPE compound

Filler: Thermoplastic LSZH compound

Outer SheathLSZH (Low Smoke Zero Halogen)



Applications

NHXH cables are specified for fixed installations in public, commercial, and industrial buildings. Applications can be found in emergency lightings, control and power circuits, power stations, fire alarm systems, underground tunnels, communications systems, sewage treatment plants, lifts, escalators, and high-rise buildings.

Standards

DIN VDE 0266, DIN VDE 0276-604,

DIN VDE 0472 - 814, DIN 4102-12, EN 60228

Flame retardant according to: IEC/EN 60332-3-24, IEC 60331

Specification

Voltage Rating	0.6/1 kV
Test Voltage	3500v
Temperature Range	-5°C to +90°C
Max. temperature during short circuit ($\leq 5S$)	250
Min. Bending radius	For single conductor 15 x cable \emptyset ; For multi conductor 12 x cable \emptyset

Technical Data

3	x	1,5	re	15,0	43
3	x	2,5	re	16,0	72
3	x	4	re	17,0	115
3	x	6	re	18,5	173
3	x	10	re	19,5	288
3	x	16	rm	22,0	461
3	x	25	rm	26,0	720
3	x	35	rm	29,0	1008
3	x	35+16	rm	29,5	1162
3	x	50+25	rm	33,5	1680
3	x	70+35	rm	38,0	2352
3	x	95+50	rm	43,0	3216
3	x	120+70	rm	47,0	4128
3	x	150+70	rm	51,0	4992
3	x	185+95	rm	57,0	6240
3	x	240+120	rm	62,5	8064
4	x	1,5	re	16,0	58
4	x	2,5	re	18,0	96
4	x	4	re	19,0	154
4	x	6	re	20,0	230
4	x	10	re	22,0	384
4	x	16	rm	24,0	614
4	x	25	rm	28,0	960
4	x	35	rm	31,0	1344
4	x	50	rm	35,0	1920
4	x	70	rm	40,0	2688
4	x	95	rm	45,0	3648
4	x	120	rm	49,0	4608
5	x	1,5	re	18,0	72
5	x	2,5	re	19,0	120
5	x	4	re	20,0	192
5	x	6	re	21,0	288
5	x	10	re	24,0	480
5	x	16	rm	26,0	768
5	x	25	rm	30,0	1200
5	x	35	rm	34,0	1680
5	x	50	rm	39,0	2500