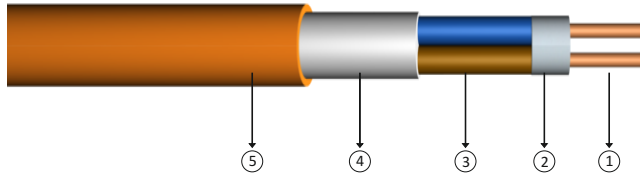


300/500V halogen free, flame retardant, XLPE insulated multi core cables with copper conductor FE 180



Code: NHXMH-O FE 180, NHXMH-J FE 180 (052XZ1-U, 052XZ1-R)

O : Yellow / green veinless
J : Yellow / green core

U : Solid Conductor
R : Stranded Conductor

Standards: VDE 0250 214, TSE K 328

Technical Data

Max. operating temperature : 70 °C
Max. short circuit temperature : 160 °C (max. 5 sec.)
Rated voltage : 300/500 V

Application

Used in energy networks in refineries, mines, hotels, schools, tunnels, high constructions, hospitals, power plant, data processing centers, business centers where there is a risk of fire.

Construction

- 1 Solid or stranded copper conductor
- 2 Mica tape
- 3 XLPE insulation
- 4 Filler
- 5 HFFR outer jacket

DIMENSION AND WEIGHTS			ELECTRICAL PROPERTIES		
Nominal Cross Section	Overall Diameter (approx)	Net Weight (approx)	Delivery Length	DC Conductor Resistance at 20 °C Max	Current Carrying Capacity (A)
mm ²	mm	kg/km	m	ohm/km	In air at 30 °C
2x1,5 RE	10	150	1000	12,1	28
2x2,5 RE	11	180	1000	7,41	38
2x4 RE	12	240	1000	4,61	52
2x6 RE	13	300	1000	3,08	65
2x10 RM	16	470	1000	1,83	86
3x1,5 RE	11	170	1000	12,1	24
3x2,5 RE	12	220	1000	7,41	32
3x4 RE	13	270	1000	4,61	42
3x6 RE	14	360	1000	3,08	53
3x10 RM	17	550	1000	1,83	73
4x1,5 RE	12	200	1000	12,1	24
4x2,5 RE	13	250	1000	7,41	32
4x4 RE	14	350	1000	4,61	42
4x6 RE	16	460	1000	3,08	53
4x10 RM	19	700	1000	1,83	73
4x16 RM	21	1000	1000	1,15	96
4x25 RM	26	1500	1000	0,727	130
4x35 RM	28.5	1900	1000	0,524	160
5x1,5 RE	13	240	1000	12,1	18
5x2,5 RE	14	300	1000	7,41	24
5x4 RE	15	440	1000	4,61	31
5x6 RE	17	550	1000	3,08	40
5x10 RM	20	850	1000	1,83	55
5x16 RM	24	1250	1000	1,15	72
5x25 RM	29	1800	1000	0,727	97

Note : Current carrying capacities are valid under the following conditions;
In ground : 20 °C, 70 cm depth of lay, soil-thermal resistivity 1 K.m/W, load factor 0.7
In air : 30 °C, load factor 1.0
Number of system : 1