NHXMH

300/500V halogen-free, installation cables

Cable structure

- Solid or stranded copper conductor
- Core insulation of halogen free, cross-linked polyethylene compound
- Cores color coded according to DIN VDE 0293, green-yellow earth core (3 core and more)
- For single core cable, core color black, for multi-core cable cores stranded in layers with optimal lay lenght.
- Halogen free filling compound
- For version (N)HXMH(St) electrostatic screen (Al-PET) foil + CuSn drain wire
- Sheath, flame retardant polymer compound, color grey

Tests

- Flame-retardant to DIN VDE 0482 part 266-2 /HD 405.3/BS 4066 PT3/EN 50266-2/IEC 60332-3
- Low corrosiveness of combustion gases to DIN VDE 0482 part 267/BS 6425 PT2/EN 50267-2-2/IEC 60754-2
- Halogen-free to DIN VDE 0482 part 267/BS 6425 PT1/EN 50267-2-1/IEC 60754-1
- Smoke density to DIN VDE 0482 part 268/HD 606/BS 7622 PT1, PT2/EN 50268-1,-2/IEC 61034-1,-2

Advantages

- flame retardant, halogen-free, no liberation of corrosive or toxic vapours when burning
- low fire propagation
- low develepment of smoke and fumes when burning

Technical data

- Halogen-free building cable according to VDE 0250 part 214
- **Temperature range** during installation from -5 °C to +50 °C
  fixed from -30 °C to +70 °C
- **Nominal voltage** U_O/U 300/500 V
- **Test voltage a.c.** 2000 V
- **Minimum bending radius** for single core approx. 15× cable diameter
  multicore approx. 10× cable diameter

Application

Halogen free cables are ideal mostly for areas where harm to human life or material must be prevented in case of fire such as industrial and public buildings, hotels, subway systems, hospitals, schools, theatres, shopping malls etc. These cables are suitable under or to plaster in dry and wet environments (direct burial in concrete areas with shocks and pressures is not permitted).

Note

CE = the product is conformed with the EC Low-Voltage Directive 73/23/EEC
Conforms to RoHS.

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Part No.	Number of cores x core cross section [mm²]		Approx. outer ∅ [mm]	Cooper weight [kg/km]	Approx. cable weight [kg/km]
0551992	1×4	re	9,5	38	62
0551993	1×6	re	10	58	83
0551994	1×10	re	11,5	96	125
0551995	1×16	rm	12,9	154	188
0551996	3×1,5	re	9,2	43	92
0551997	3×2,5	re	10,6	72	128
0551998	3×4	re	12	115	192
0551999	3×6	re	13,5	173	267
0552000	3×10	re	15,9	288	628
0552001	4×1,5	re	9,9	58	115
0552002	4×2,5	re	11	96	152
0552003	4×4	re	13,4	154	244
0552004	4×6	re	15,9	230	345

Part No.	Number of cores x core cross section [mm²]		Approx. outer ∅ [mm]	Cooper weight [kg/km]	Approx. cable weight [kg/km]
0552005	4 × 10	re	17,5	384	522
0552006	4 × 16	rm	19,9	614	815
0552007	4 × 25	rm	27,4	960	1505
0552008	4 × 35	rm	30,4	1344	1750
0552009	5 × 1,5	re	11	72	133
0552010	5 × 2,5	re	12	120	182
0552011	5 × 4	re	15	192	300
0552012	5 × 6	re	15,9	288	400
0552013	5 × 10	re	19	480	620
0552014	5 × 16	rm	24,4	768	995
0552015	5 × 25	rm	29,9	1200	1580
0552016	7 × 1,5	re	11,4	101	168
0552017	7 × 2,5	re	13,7	158	250

(N)HXMH(St)

0520283	3×1,5/1,5	RE	9,5	48	168
0520284	3×2,5/1,5	RE	9,8	77	209
0520285	4×1,5/1,5	RE	9,6	63	192
0520286	5×1,5/1,5	RE	10,3	77	220
0520287	5×2,5/1,5	RE	11,3	125	282