

NHXMH-J



Application

Halogen-free plastic-sheathed cables with enhanced characteristics in case of fire are used for applications where harm to human life and damage to property must be prevented in the event of fire, e.g. in industrial installations, communal establishments, hotels, airports, underground stations, railway stations, hospitals, department stores, banks, schools, theatres, multistorey buildings, process control centres etc. Suitable for installation in dry, damp or wet environments, for installation above, on, in and beneath plaster as well as in masonry walls and in concrete, not for direct embedding in vibration, compacted or tamped concrete.

The materials used are free from silicon and cadmium and free from varnish damaging substances.

Standards

DIN VDE 0250-214 VDE 0250-214:2002-04,
DIN EN IEC 60332-3-24 VDE 0482-332-3-24:2019-05 ; DIN
EN 61034-2 ;
DIN EN 60754-1 VDE 0482-754-1:2021-02

CE = The product is conformed with the EC Low-Voltage Directive 2014/35/EU.

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Construction

Inner Conductor	plain copper conductor, core up to 10 mm ² , multi-core from 16-35 mm ² according to DIN VDE 0295 Kl. 1 or 2, BS 6360 cl. 1 or cl. 2 and IEC 60228 cl. 1 or 2
Core Insulation	cross-linked polymer compound 2X11 to DIN VDE 0207 Teil 22
Core Color	acc. DIN VDE 0293 respectively HD 308 S2 (7 core type with coloured cores : yellow/green, violet, pink, orange, brown, black, blue)
Stranding Elements	cores stranded in layers with optimal layer-length
Inner Sheath Material	overall core jacket of halogen-free filling compound (not for single-core cables)
Outer Insulation Material	halogen-free, polymer compound HM2

Technical Data

Nominal Voltage	U ₀ /U: 300 /500 V
Nominal Voltage DC	U ₀ /U: 0 /0
Test Voltage	2000 V
Bending Radius fixed (xD)	4
Operating Temperature solid	-40 °C bis 70 °C
Operating Temperature moving	5 °C bis 70 °C
Fire Classes	Dca, B2ca

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Prod. Nr. Prod. Nr.	Option Option	Dimensions Dimensions	Color Color	Weight (kg/km) approx. Weight (kg/km) approx.	Outer-Diameter (mm) approx. Outer-Diameter (mm) approx.
01903036	O	1 x 1,5	grey - grey	80,0	5,0
01903037	O	1 x 2,5	grey - grey	80,0	6,5
01903038	J	1 x 2,5	grey - grey	80,0	6,5
01903045	J	1 x 4	grey - grey	105,0	6,0
01903042	J	1 x 6	grey - grey	150,0	7,4
01903044	J	1 x 10	grey - grey	200,0	7,4
01903043	J	1 x 16	grey - grey	295,0	9,6
01903049	J	1 x 25	grey - grey	395,0	12,0
01903025	O	2 x 1,5	grey - grey	110,0	8,5
01903027	O	2 x 2,5	grey - grey	140,0	9,0
01903002	J	3 x 1,5	grey - grey	130,0	9,0
01903006	J	3 x 2,5	grey - grey	165,0	9,5
01903019	J	3 x 4	grey - grey	235,0	12,0
01903029	J	3 x 6	grey - grey	320,0	14,0
01903055		3 x 10	grey - grey	485,0	16,0
01903047	J	3 x 16 rm	grey - grey	732,0	17,7
01903046	J	3 x 25 rm	grey - grey	1.032,0	18,0
01903003	J	4 x 1,5	grey - grey	150,0	9,5
01903018	J	4 x 2,5	grey - grey	200,0	11,5
01903008	J	4 x 4	grey - grey	300,0	12,5
01903010	J	4 x 6	grey - grey	395,0	14,0
01903022	J	4 x 10 re	grey - grey	680,0	18,0
01903023	J	4 x 16 rm	grey - grey	1.030,0	22,0
01903030	J	4 x 25 rm	grey - grey	1.432,0	27,0

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01903031	J	4 x 35 rm	grey - grey	1.930,0	29,9
01903004	J	5 x 1,5	grey - grey	175,0	10,0
01903007	J	5 x 2,5	grey - grey	235,0	11,0
01903020	J	5 x 4	grey - grey	350,0	15,5
01903021	J	5 x 6	grey - grey	480,0	16,5
01903032	J	5 x 10 re	grey - grey	830,0	21,0
01903024	J	5 x 16 rm	grey - grey	1.140,0	25,0
01903034	J	5 x 25 rm	grey - grey	1.800,0	29,0
01903035	J	5 x 35 rm	grey - grey	2.490,0	32,7
01903005	J	7 x 1,5	grey - grey	210,0	11,0
01903028	J	7 x 2,5	grey - grey	300,0	12,5
01903016	J	10 x 1,5	grey - grey	264,0	11,6
01903017	J	12 x 1,5	grey - grey	354,0	12,9