



Infrastructure Cables and Wires

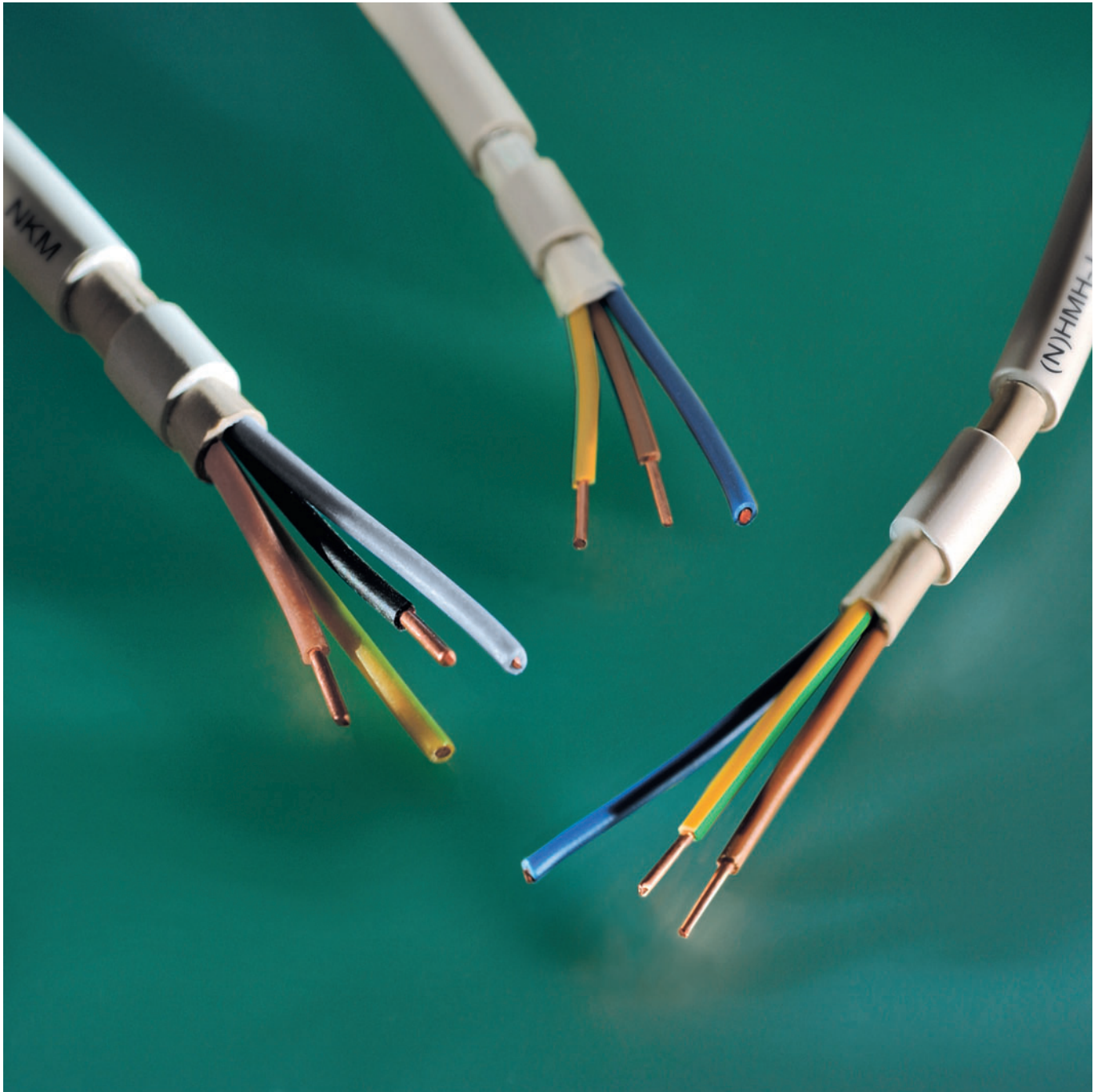


Photo: HELUKABEL®

Installation Cables





Installation Cables

The most important cable for today's electricians are NYM, (N)YM(St)Y, NHXMH etc. It is reassuring that HELUKABEL® takes care that cables are always available at the right price, in the required quantity and that cable can be supplied ex stock from all 4 HELUKABEL® stocks.

Consequently there are no delays in delivery to the building-site and no extra expense are incurred by utilizing alternative sizes. Our own transports deliver the required coils and drums immediately to the customer. The environmentally friendly packaging poses no waste disposal problems.

Maybe you can complete your next cable order with corresponding accessories which you can find in our latest accessories catalogue. We supply glands, identification materials, nylon binders, etc. ex stock. You can find our complete accessories program in our latest accessories catalogue.

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YV-Equipment Wires / YR-Bell Sheathed Cables according to VDE 0812



Technical data

YR-Bell Sheathed Cables

- Adapted to DIN VDE 0812
- **Minimum bending radius**
15x cable Ø

YV-Equipment Wires

- Equipment wires with PVC core insulation to DIN VDE 0812
- Temperature range
flexing -5°C to +70°C
fixed installation -30°C to +70°C
- **Electrical characteristics**

Cable structure

YV-Equipment Wires

- Solid, tinned copper conductor
0,3 to 1,8 mm Ø
- PVC core insulation, Y13 to DIN VDE 0207 part 4
- Mono or twin colour wires, twin colour wires have a base colour with the second colour superimposed in ring form
- Colour code to DIN 47002

YR-Bell Sheathed Cables

- Bare copper conductor, solid 0,8 mm
- Cores stranded in layer
- Colour identification code see Technical Informations
- PVC-Outer jacket, white

Properties

YV-Equipment Wires

- PVC self-extinguishing and flame retardant according to VDE 0482-332-1-2, DIN EN 60332-1-2/ IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)

Installation notes

The equipment wires are to be so uncoiled from drums or coils so that no kinks or twisting torsional stress can be occurred. Those are allowed to install as self-supporting shaped wires independently ensuring the free-movements so as to gain a compensating bending. These are used without any mechanical stress, pull, pressure, abrasion and notch. Several equipment wires are used together in form of a bunch. The insulating coverings are not be cut through the binding materials. The binding materials must be nonconductive and not allowed to swell or shrink in humidity. During the soldering process without jointing clamp, the soldering period is to be shortened so that the insulating covering should not be shrunk or injured.

Application

YV-Equipment Wires

Single core cables for use in small apparatus, switching and intercom system and for data transmission. These cables are not allowed for the installation of heavy current operation. Equipment wire are used for wiring to the switchboards, amplifiers and dial intercommunicating systems, measuring instruments, telephone exchange, clock centrals and data processing apparatus etc. These wires are not permitted to apply outside of equipment for high power ratings.

YR-Bell Sheathed Cables

For different applications up to max. 100 V operating voltage, for fixed installation above and beneath plaster.

CE = The product is conformed with the EC Low-Voltage Directive 2006/95/EG.

YV-Equipment Wires

Part no.	No. cores x cond. Ø / core Ø mm	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km
28900	1 x 0,3 / 0,7	0,7	0,7	1,2
28901	2 x 0,3 / 0,7	1,4	1,4	2,4
28902	3 x 0,3 / 0,7	1,6	2,1	3,6
28903	1 x 0,4 / 0,8	0,8	1,3	1,8
28904	2 x 0,4 / 0,8	1,6	2,5	3,6
28905	3 x 0,4 / 0,8	1,8	3,8	5,4
28906	1 x 0,5 / 0,9	0,9	2,0	2,5
28907	2 x 0,5 / 0,9	1,8	3,9	5,0
28908	3 x 0,5 / 0,9	2,0	5,9	7,5
28909	4 x 0,5 / 0,9	2,2	7,9	10,0
28910	1 x 0,8 / 1,4	1,4	5,0	6,0
28911	2 x 0,8 / 1,4	2,8	10,0	12,0
28912	3 x 0,8 / 1,4	3,0	15,0	18,0
28913	4 x 0,8 / 1,4	3,4	20,0	24,0
28914	1 x 1 / 1,8	1,8	7,9	10,0
28915	2 x 1 / 1,8	3,6	16,0	20,0
28916	3 x 1 / 1,8	4,0	24,0	30,0
28917	1 x 1,4 / 2,2	2,2	15,0	17,0
28918	1 x 1,8 / 2,8	2,8	25,0	27,5

YR-Bell Sheathed Cables

Part no.	No. cores x cond. Ø / core Ø mm	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km
28919	2 x 0,8 / 1,4	4,0	9,6	27,0
28920	3 x 0,8 / 1,4	4,4	14,4	33,0
28921	4 x 0,8 / 1,4	4,9	19,2	41,0
28922	5 x 0,8 / 1,4	5,3	24,0	48,0
28923	6 x 0,8 / 1,4	5,8	28,8	56,0
28924	8 x 0,8 / 1,4	6,5	38,0	70,0
28925	10 x 0,8 / 1,4	7,6	48,0	84,0
28926	12 x 0,8 / 1,4	7,7	58,0	98,0
28927	16 x 0,8 / 1,4	8,6	77,0	124,0
28928	24 x 0,8 / 1,4	10,5	115,0	188,0

Dimensions and specifications may be changed without prior notice. (R001)



Technical data

- PVC-sheathed cable to DIN VDE 0250 part 204
- **Temperature range**
flexing +5 °C to +70 °C
fixed installation -40 °C to +70 °C
- **Nominal voltage**
 U_0/U 300/500 V
- **Test voltage** 2000 V
- **Minimum bending radius**
fixed installation 4x cable ϕ
- **Radiation resistance**
up to 80×10^6 cJ/kg (up to 80 Mrad)
- **Caloric load values**
see Technical Informations

Cable structure

- Solid or stranded, plain copper conductor to DIN VDE 0295 cl. 1 or cl. 2, BS 6360 cl. 1 or cl. 2 and IEC 60228 cl. 1 or cl. 2
- PVC core insulation, T11 to DIN VDE 0281 part 1
- Colour coded to DIN VDE 0293-308
- Cores stranded in layer
- Special PVC outer sheath TM1, to DIN VDE 0281 part 1
- Jacket colour grey (RAL 7035)

Properties

- PVC self-extinguishing and flame retardant according to VDE 0482-332-1-2, DIN EN 60332-1-2/ IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)

Note

- re = round conductor, single-wire;
rm = round conductor, multiple-wire.
- G = with green-yellow earth core;
x = without green-yellow earth core (OZ).
- AWG sizes are approximate equivalent values. The actual cross-section is in mm².

Application

For industrial- and wiring purposes.

Usable in the open, in dry, damp and wet environments in the open and concealed, as well as in masonry and in beton, not suitable for imbedding in solidified- or compressed-concrete. Outdoor usage is only possible, as long as the cable is protected against direct sunlight.

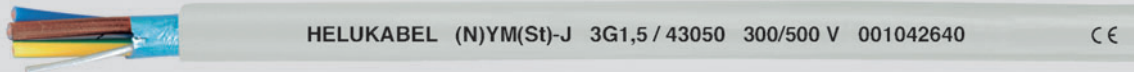
CE = The product is conformed with the EC Low-Voltage Directive 2006/95/EG.

Part no.	No.cores x cross-sec. mm ²	Outer ϕ approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
39050	1 G 1,5 re	5,4	14,4	40,0	16
39001	1 x 1,5 re	5,4	14,4	40,0	16
39006	2 x 1,5 re	8,7	29,0	170,0	16
39056	3 G 1,5 re	9,1	43,0	135,0	16
39007	3 x 1,5 re	9,1	43,0	135,0	16
39058	4 G 1,5 re	9,8	58,0	160,0	16
39009	4 x 1,5 re	9,8	58,0	160,0	16
39066	5 G 1,5 re	10,3	72,0	190,0	16
39017	5 x 1,5 re	10,3	72,0	190,0	16
39072	7 G 1,5 re	11,5	101,0	235,0	16
39023	7 x 1,5 re	11,5	101,0	235,0	16
39076	10 G 1,5 re	13,8	144,0	330,0	16
39077	12 G 1,5 re	14,4	173,0	405,0	16
39055	1 G 2,5 re	6,0	24,0	70,0	14
39024	1 x 2,5 re	6,0	24,0	70,0	14
39057	3 G 2,5 re	10,4	72,0	190,0	14
39008	3 x 2,5 re	10,4	72,0	190,0	14
39059	4 G 2,5 re	11,3	96,0	230,0	14
39010	4 x 2,5 re	11,3	96,0	230,0	14
39067	5 G 2,5 re	12,0	120,0	270,0	14
39018	5 x 2,5 re	12,0	120,0	270,0	14
39075	7 G 2,5 re	13,2	168,0	342,0	14
39051	1 G 4 re	6,6	38,0	80,0	12
39002	1 x 4 re	6,6	38,0	80,0	12
39074	3 G 4 re	12,0	115,0	258,0	12
39060	4 G 4 re	13,0	154,0	330,0	12
39011	4 x 4 re	13,0	154,0	330,0	12
39068	5 G 4 re	14,5	192,0	410,0	12
39019	5 x 4 re	14,5	192,0	410,0	12
39052	1 G 6 re	7,2	58,0	105,0	10
39003	1 x 6 re	7,2	58,0	105,0	10
39078	3 G 6 re	13,0	173,0	320,0	10

Part no.	No.cores x cross-sec. mm ²	Outer ϕ approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
39061	4 G 6 re	15,1	230,0	460,0	10
39012	4 x 6 re	15,1	230,0	460,0	10
39069	5 G 6 re	16,1	288,0	540,0	10
39020	5 x 6 re	16,1	288,0	540,0	10
39053	1 G 10 re	8,4	96,0	155,0	8
39004	1 x 10 re	8,4	96,0	155,0	8
39062	4 G 10 re	17,6	384,0	680,0	8
39013	4 x 10 re	17,6	384,0	680,0	8
39070	5 G 10 re	19,2	480,0	850,0	8
39021	5 x 10 re	19,2	480,0	850,0	8
39054	1 G 16 rm	9,9	154,0	230,0	6
39005	1 x 16 rm	9,9	154,0	230,0	6
39063	4 G 16 rm	21,3	614,0	1048,0	6
39014	4 x 16 rm	21,3	614,0	1048,0	6
39071	5 G 16 rm	23,4	768,0	1280,0	6
39022	5 x 16 rm	23,4	768,0	1280,0	6
39079	1 G 25 rm	12,0	240,0	325,0	4
39064	4 G 25 rm	25,8	960,0	1649,0	4
39015	4 x 25 rm	25,8	960,0	1649,0	4
39073	5 G 25 rm	28,7	1200,0	1970,0	4
39065	4 G 35 rm	28,5	1344,0	2000,0	2
39016	4 x 35 rm	28,5	1344,0	2000,0	2

Dimensions and specifications may be changed without prior notice. (R001)

(N)YM(St)-J PVC-sheathed cable screened



Technical data

- Screened PVC-sheathed cable
- Adapted to DIN VDE 0250 part 204/209
- VDE production accessment available
- **Direct current resistance** to DIN VDE 0295
- **Temperature range** flexing +5 °C to +70 °C fixed installation -40 °C to +70 °C
- Permissible **working temperature** at the conductor +70 °C
- **Nominal voltage** U_0/U 300/500 V
- **Test voltage** 2000 V
- **Power rating according** to VDE 0100
- **Minimum bending radius** fixed installation 4x cable \varnothing
- **Radiation resistance** up to 80×10^6 cJ/kg (up to 80 Mrad)

Cable structure

- Solid plain copper conductor to DIN VDE 0295 cl. 1, BS 6360 cl. 1 and IEC 60228 cl. 1
- Special PVC core insulation TI1, to DIN VDE 0281 part 1 colour code to DIN VDE 0293-308
- Cores stranded in layer
- Plastic filled inner sheath
- Coated aluminium foil screening
- Solid copper drain-wire, tinned
- Special PVC outer sheath TM1, to DIN VDE 0281 part 1
- Jacket colour grey (RAL 7035)

Properties

- PVC self-extinguishing and flame retardant according to VDE 0482-332-1-2, DIN EN 60332-1-2/ IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)

Note

- re = round solid core;
- rm = stranded core.
- AWG sizes are approximate equivalent values. The actual cross-section is in mm².

Application

These installation cables are made for an effective range of electromagnetic interference alternating fields by a static screen. This screening is specially used for the installation in computer sector, hospitals or industry measuring observation points with measuring instruments which are sensitive to interferences.

These cables are also ideal for installations in the living rooms of those peoples who are extreme sensitive to radiation. The cable is suitable for laying on, in and under plaster in dry and damp places as well as in concrete and masonry (a direct laying in shaken or stamped concrete is excluded).

Outdoor laying only is possible if the cable is not exposed to direct sunlight or if the cable is laid in cable conduits. Use in dangerous areas is not allowed.

CE = The product is conformed with the EC Low-Voltage Directive 2006/95/EG.

Part no.	No. cores x cross-sec. mm ²	Drain-wire mm ²	Outer \varnothing approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
43050	3 G 1,5	1,5	10,5	51,0	154,0	16
43051	4 G 1,5	1,5	11,5	65,0	184,0	16
43052	5 G 1,5	1,5	12,0	80,0	208,0	16
43053	7 G 1,5	1,5	13,0	106,0	250,0	16
43054	3 G 2,5	1,5	12,0	80,0	217,0	14
43055	4 G 2,5	1,5	13,0	104,0	256,0	14
43056	5 G 2,5	1,5	13,5	128,0	280,0	14
43057	3 G 4	1,5	13,5	123,0	228,0	12
43058	4 G 4	1,5	14,5	159,0	359,0	12
43059	5 G 4	1,5	16,5	200,0	440,0	12
43060	3 G 6	1,5	15,0	187,0	378,0	10
43061	4 G 6	1,5	16,5	235,0	477,0	10
43062	5 G 6	1,5	17,5	293,0	565,0	10

Part no.	No. cores x cross-sec. mm ²	Drain-wire mm ²	Outer \varnothing approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
43063	5 G 10	1,5	21,5	485,0	840,0	8
43064	5 G 16	rm	2,5	26,0	773,0	6
43065	5 G 25	rm	2,5	31,5	1205,0	4

Dimensions and specifications may be changed without prior notice. (R001)

(N)HMH-O halogen-free for fixed installation, emission-free, 300/500V



HELUKABEL (N)HMH-O 3x1,5 / 51981 300/500 V 001042644

CE



Technical data

- Plastic-sheathed cable, halogen-free, for fixed installation
- To DIN VDE 0250 part 215
- Permissible **working temperature** at the conductor +70 °C
- **Nominal voltage** U_0/U 300/500 V
- Max. **voltage** for equipment U_m 550 V
- **Power rating**
- in accordance with DIN VDE 0298 part 4, tables 3 and 4, analogous for NYM, taking the type of installation and the appropriate factors for differing ambient temperatures and build-up of cables
- rated short-circuit current of density acc. to DIN VDE 0298 part 4 table 15
- fuse rating according to DIN VDE 0100 part 430
- **Caloric load values**
see Technical Informations

Cable structure

- Bare Cu conductor, solid or stranded on the basis of DIN VDE 0250 part 204 with the following modifications:
- Core insulation of halogen-free thermoplastic polymer compound with optimum wall thickness
- Colour coded to DIN VDE 0293-308
- for 1 core cable
core colour black
- Cores stranded in layer
- Extruded core insulation, halogen-free
- Outer jacket of non-cross-linked, halogen-free thermoplastic polymer compound
- Jacket colour light-grey (RAL 7035)

Properties

- **Corrosive nature of combustion gases (halogen-free verification)**
testing acc. to VDE 0482 part 267, DIN EN 50267-2-2, IEC 60754-2, HD 602 (equivalent DIN VDE 0472 part 813)
- **Behaviour in case of fire**
self-extinguishing and flame retardant according to VDE 0482-332-1-2, DIN EN 60332-1-2/ IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)
- **Low smoke**
testing acc. to DIN VDE 0472 part 818

Note

- re = round conductor, single-wire;
rm = round conductor, multiple-wire;
- x = without green-yellow earth core.
- O-version: single-core conductor with black core insulation. Cables between two and seven cores are without green-yellow core.
- AWG sizes are approximate equivalent values. The actual cross-section is in mm².

Application

This plastic-sheathed cable of defined behaviour in case of fire is used for installations in residential dwellings, public buildings as well as in industrial constructions.

Suitable for applications in dry, damp or wet environments for installation above, on, in and beneath plaster, as well as in masonry and concrete walls, not however for embedding in vibration, compacted or tamped concrete.

The cable is also approved for outdoor applications provided these are not exposed to direct sunlight radiation. Installation of this cable in earth or in water is not permitted.

CE= The product is conformed with the EC Low-Voltage Directive 2006/95/EG.

Part no.	No. cores x cross-sec. mm ²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
51970	1 x 1,5 re	8,3	14,4	39,0	16
51976	2 x 1,5 re	8,9	29,0	82,0	16
51981	3 x 1,5 re	9,2	43,0	92,0	16
51983	4 x 1,5 re	9,9	58,0	115,0	16
51991	7 x 1,5 re	11,5	101,0	167,0	16
51971	1 x 2,5 re	9,0	24,0	47,0	14
51977	2 x 2,5 re	10,0	48,0	110,0	14
51982	3 x 2,5 re	10,6	72,0	128,0	14
51984	4 x 2,5 re	11,0	96,0	152,0	14
51972	1 x 4 re	9,5	38,0	62,0	12
51978	2 x 4 re	11,5	77,0	160,0	12
51985	4 x 4 re	13,4	154,0	244,0	12
51973	1 x 6 re	10,0	58,0	83,0	10
51979	2 x 6 re	12,4	115,0	208,0	10
51986	4 x 6 re	15,9	230,0	345,0	10

Part no.	No. cores x cross-sec. mm ²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
51974	1 x 10 re	11,5	96,0	125,0	8
51980	2 x 10 re	14,9	192,0	340,0	8
51987	4 x 10 re	17,5	384,0	522,0	8
51975	1 x 16 rm	12,9	154,0	188,0	6
51988	4 x 16 rm	19,9	614,0	815,0	6
51989	4 x 25 rm	27,4	960,0	1305,0	4
51990	4 x 35 rm	30,4	1344,0	1750,0	2

Dimensions and specifications may be changed without prior notice. (R001)

(N)HMH-J halogen-free for fixed installation, emission-free, 300/500V



HELUKABEL (N)HMH-J 3G1,5 / 51996 300/500 V 001042645



Technical data

- Plastic-sheathed cable, halogen-free, for fixed installation
- To DIN VDE 0250 part 215
- Permissible **working temperature** at the conductor +70 °C
- **Nominal voltage**
U₀/U 300/500 V
- Max. **voltage** for equipment
U_m 550 V
- **Power rating**
- in accordance with DIN VDE 0298 part 4, tables 3 and 4, analogous for NYM, taking the type of installation and the appropriate factors for differing ambient temperatures and build-up of cables
- rated short-circuit current of density acc. to DIN VDE 0298 part 4 table 15
- fuse rating according to DIN VDE 0100 part 430
- **Caloric load values**
see Technical Informations

Cable structure

- Bare Cu conductor, solid or stranded on the basis of DIN VDE 0250 part 204 with the following modifications:
- Core insulation of halogen-free thermoplastic polymer compound with optimum wall thickness
- Colour coded to DIN VDE 0293-308
- Green-yellow earth core, 3 cores and above
- for 1 core cable
core colour green-yellow
- Cores stranded in layer
- Extruded core insulation, halogen-free
- Outer jacket of non-cross-linked, halogen-free thermoplastic polymer compound
- Jacket colour light-grey (RAL 7035)

Properties

- **Corrosive nature of combustion gases (halogen-free verification)**
testing acc. to VDE 0482 part 267, DIN EN 50267-2-2, IEC 60754-2, HD 602 (equivalent DIN VDE 0472 part 813)
- **Behaviour in case of fire**
self-extinguishing and flame retardant according to VDE 0482-332-1-2, DIN EN 60332-1-2/ IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)
- **Low smoke**
testing acc. to DIN VDE 0472 part 818

Note

- re = round conductor, single-wire;
rm = round conductor, multiple-wire.
- G = with green-yellow earth core.
- O-version: single core conductor with black core insulation. Cables with between two and seven cores are without green-yellow core.
- J-version: with green-yellow core insulation.
- AWG sizes are approximate equivalent values. The actual cross-section is in mm².

Application

This plastic-sheathed cable of defined behaviour in case of fire is used for installations in residential dwellings, public buildings as well as in industrial constructions.

Suitable for applications in dry, damp or wet environments for installation above, on, in and beneath plaster, as well as in masonry and concrete walls, not however for embedding in vibration, compacted or tamped concrete.

The cable is also approved for outdoor applications provided these are not exposed to direct sunlight radiation. Installation of this cable in earth or in water is not permitted.

CE= The product is conformed with the EC Low-Voltage Directive 2006/95/EG.

Part no.	No. cores x cross-sec. mm ²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
51996	3 G 1,5 re	9,4	43,0	92,0	16
52001	4 G 1,5 re	10,2	58,0	115,0	16
52009	5 G 1,5 re	10,8	72,0	133,0	16
52016	7 G 1,5 re	11,4	101,0	168,0	16
51997	3 G 2,5 re	10,4	72,0	128,0	14
52002	4 G 2,5 re	11,3	96,0	152,0	14
52010	5 G 2,5 re	11,9	120,0	182,0	14
52017	7 G 2,5 re	13,5	158,0	250,0	14
51992	1 G 4 re	8,6	38,0	62,0	12
51998	3 G 4 re	11,8	115,0	192,0	12
52003	4 G 4 re	13,3	154,0	244,0	12
52011	5 G 4 re	14,8	192,0	300,0	12
51993	1 G 6 re	9,9	58,0	83,0	10
51999	3 G 6 re	13,4	173,0	267,0	10
52004	4 G 6 re	14,8	230,0	345,0	10
52012	5 G 6 re	16,0	288,0	400,0	10
51994	1 G 10 re	11,2	96,0	125,0	8
52000	3 G 10 re	16,0	288,0	628,0	8
52005	4 G 10 re	17,4	384,0	522,0	8
52013	5 G 10 re	18,9	480,0	620,0	8
51995	1 G 16 rm	11,9	154,0	188,0	6
52006	4 G 16 rm	21,6	614,0	815,0	6

Dimensions and specifications may be changed without prior notice. (R001)

Part no.	No. cores x cross-sec. mm ²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
52014	5 G 16 rm	23,8	768,0	995,0	6
52007	4 G 25 rm	27,0	960,0	1305,0	4
52015	5 G 25 rm	29,0	1200,0	1580,0	4
52008	4 G 35 rm	29,9	1344,0	1750,0	2



Technical data

- Halogen-free plastic-sheathed cable with enhanced characteristics in case of fire, according to DIN VDE 0250 part 214
- **Conductor resistance** (at 20 °C) according to DIN VDE 0295 and IEC 60228
- Max. **temperature at the conductor** during operation +70 °C in case of short circuit +250 °C
- **Temperature range** during installation -5 °C to +50 °C fixed installation -30 °C to +70 °C
- **Nominal voltage** U₀/U 300/500 V
- **Test voltage** 2000 V
- **Minimum bending radius** single-core approx. 15x cable ø multi-core approx. 10x cable ø
- **Caloric load values** see Technical Informations

Cable structure

- Plain copper conductor, single core up to 10 mm² multi-core from 16-35 mm² according to DIN VDE 0295 cl. 1 or 2, BS 6360 cl. 1 or 2 and IEC 60228 cl. 1 or 2
- Core insulation of cross-linked polymer compound 2X11 to DIN VDE 0207 part 22
- Colour code according to DIN VDE 0293-308
- for 1 core cable core colour black or green-yellow
- Cores stranded in layer
- Overall core jacket of halogen-free filling compound (not for single-core cables)
- Outer jacket, flame-retardant polymer compound HM2 according to DIN VDE 0207 part 24, halogen-free
- Jacket colour grey (RAL 7035)
- **LSOH** = Low Smoke Zero Halogen-free.

Properties

- Flame-retardant
- Halogen-free, no liberation of corrosive or toxic gases
- Limited propagation of fire
- Low smoke development, Ozone resistant

Tests

- Flame test to VDE 0482-332-3, BS 4066 part 3/ DIN EN 60332-3/ IEC 60332-3 (equivalent DIN VDE 0472 part 804 test method C)
- Corrosiveness of combustion gases according to VDE 0482 part 267/ DIN EN 50267-2-2/ IEC 60754-2 (equivalent DIN VDE 0472 part 813)
- Halogen-free according to VDE 0482 part 267/ DIN EN 50267-2-1/ IEC 60754-1 (equivalent DIN VDE 0472 part 815)
- Smoke density according to DIN VDE 0482 part 268, HD 606, EN 50268-12/ IEC 61034-12, BS 7622 part 12 (equivalent DIN VDE 0472 part 816)
- Ozone resistance according to DIN VDE 0472 part 805
- Also deliverable in screened (St) version

Note

- re = round conductor, single-wire; rm = round conductor, multiple-wire.

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, departmental stores, banks, schools, theatres, multi-storey 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 however for direct embedding in vibration, compacted or tamped concrete. These cables are also suitable for outdoor applications. The product is conformed with the EC Low-Voltage Directive 2006/95/EG.

NHXMH-O

Part no.	No. cores x cross-sec. mm ²		Outer Ø min. - max. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
53300	1 x 1,5	re	5,0 - 8,4	15,0	49,0	16
53306	2 x 1,5	re	7,6 - 9,2	29,0	110,0	16
53301	1 x 2,5	re	5,4 - 8,8	24,0	60,0	14
53307	2 x 2,5	re	8,4 - 10,1	48,0	136,0	14
53302	1 x 4	re	6,0 - 9,5	39,0	80,0	12
53308	2 x 4	re	9,6 - 11,6	77,0	202,0	12
53303	1 x 6	re	6,4 - 10,0	58,0	111,0	10
53304	1 x 10	re	7,4 - 11,3	96,0	160,0	8
53305	1 x 16	rm	8,5 - 12,4	154,0	232,0	6

NHXMH-J

Part no.	No. cores x cross-sec. mm ²		Outer Ø min. - max. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
53350	3 G 1,5	re	8,0 - 9,6	43,0	130,0	16
53358	4 G 1,5	re	8,5 - 10,3	58,0	151,0	16
53366	5 G 1,5	re	9,1 - 11,0	72,0	177,0	16
53374	7 G 1,5	re	9,9 - 11,9	101,0	209,0	16
53351	3 G 2,5	re	8,7 - 10,6	72,0	163,0	14
53359	4 G 2,5	re	9,5 - 11,5	96,0	200,0	14
53367	5 G 2,5	re	10,4 - 12,3	120,0	238,0	14
53375	7 G 2,5	re	11,4 - 13,8	168,0	300,0	14
53352	3 G 4	re	10,1 - 12,2	115,0	235,0	12
53360	4 G 4	re	11,3 - 13,7	154,0	300,0	12
53368	5 G 4	re	12,5 - 15,1	192,0	345,0	12
53353	3 G 6	re	11,5 - 13,9	173,0	323,0	10
53361	4 G 6	re	12,7 - 15,3	230,0	400,0	10
53369	5 G 6	re	13,7 - 16,6	288,0	475,0	10
53354	3 G 10	re	13,8 - 16,7	288,0	485,0	8
53362	4 G 10	re	15,1 - 18,2	384,0	603,0	8
53370	5 G 10	re	16,3 - 19,7	480,0	720,0	8
53355	3 G 16	rm	16,5 - 20,0	461,0	850,0	6
53363	4 G 16	rm	18,0 - 21,8	615,0	940,0	6
53371	5 G 16	rm	19,7 - 23,8	768,0	1142,0	6
53356	3 G 25	rm	20,4 - 24,6	720,0	1152,0	4
53364	4 G 25	rm	22,6 - 27,3	960,0	1432,0	4
53372	5 G 25	rm	24,7 - 29,8	1200,0	1800,0	4
53357	3 G 35	rm	22,7 - 27,4	1008,0	1503,0	2
53365	4 G 35	rm	24,9 - 30,0	1344,0	1930,0	2
53373	5 G 35	rm	27,5 - 33,2	1680,0	2490,0	2

Dimensions and specifications may be changed without prior notice. (R001)

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The complete program, from delivery advice to installation

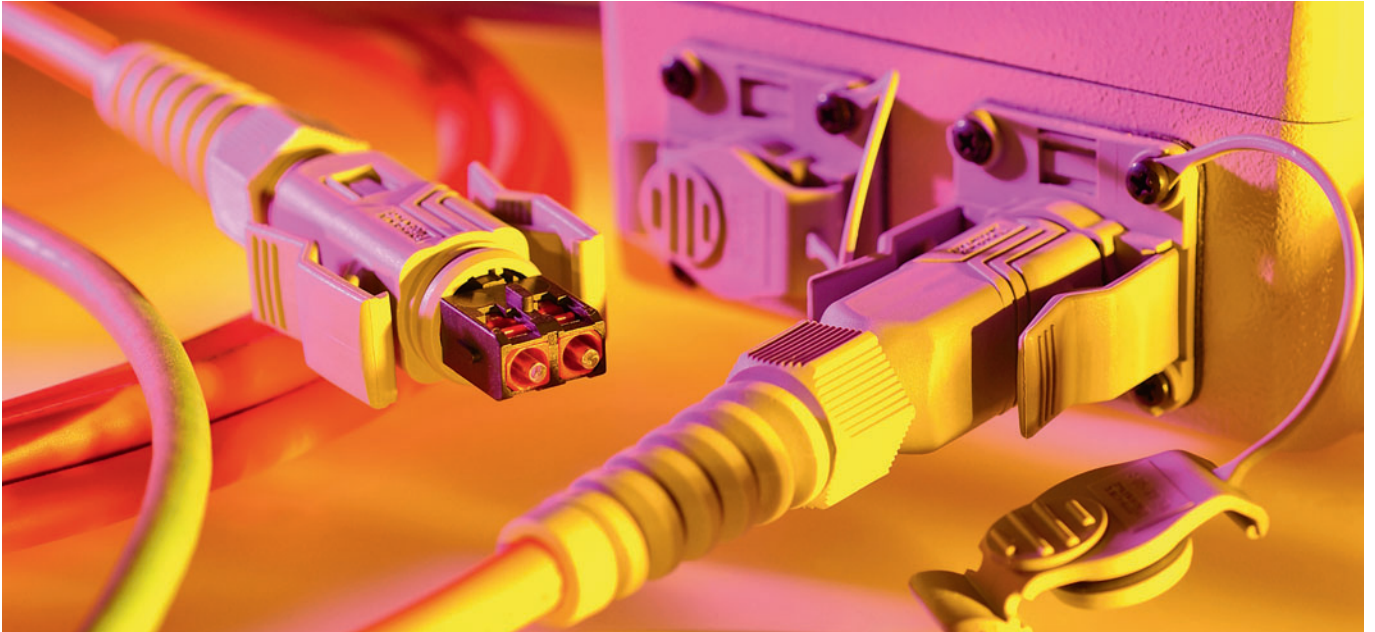


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