

INSTALLATION CABLES

(N)YM-(St)-J	28
NYM-J/-O	29
NHXMH-J/-O	30

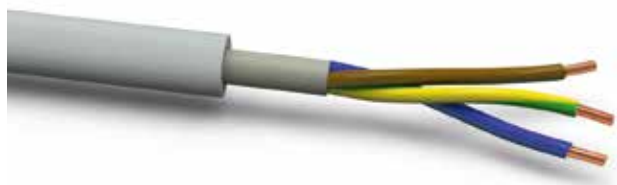


Minimum bending radius stationary	4 x diameter
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We reserve changes which serve technical progress • Copper base 150,00 € / 100,00 kg
• Price upon quantity-specific request

NYM-J/-O

acc. to VDE 0250 part 204



APPLICATION

Installation cable for laying on, in and under plaster in dry, moist and wet rooms as well as in masonry. Direct embedding in jolted, agitated or tamped concrete is not permitted. Also for outdoor use, provided that protection against direct sunlight is ensured.

STANDARDS

2006/95/EC (Low-voltage Directive) CE

CONSTRUCTION

Conductor: copper, bare, single- or multi-wired

Core insulation: PVC

Core identification: acc. to DIN VDE 0293

Core stranding: to layers, filled sheath

Sheath: PVC, colour: grey RAL 7035

ELECTRICAL CHARACTERISTICS

Insulation resistance 20 MΩ x km

Nominal voltage U_0/U 300/500 V

Test voltage 2000 V

THERMAL & MECHANICAL PROPERTIES

Temperature range during installation +5°C to +70°C

Temperature range stationary -40°C to +70°C

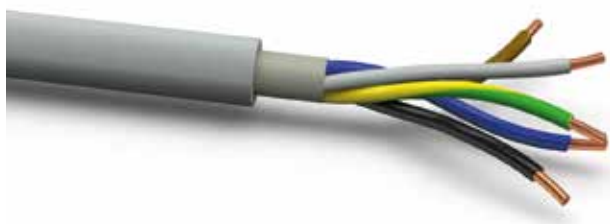
Minimum bending radius stationary 4 x diameter

dimension	diameter appr. mm	cable weight ca. kg/km	copper index kg/km	diameter appr. mm	cable weight ca. kg/km	copper index kg/km
	NYM-J			NYM-O		
1 x 1,5	5,3	45	14,4	5,3	45	14,4
2 x 1,5	–	–	–	8,0	105	29
3 x 1,5	8,4	122	43	8,4	122	43
4 x 1,5	9,0	144	58	9,0	144	58
5 x 1,5	9,8	174	72	9,8	175	72
7 x 1,5	10,7	218	101	10,7	218	101
1 x 2,5	5,8	60	24	5,8	60	24
2 x 2,5	–	–	–	9,3	149	48
3 x 2,5	9,7	174	72	9,7	174	72
4 x 2,5	10,4	209	96	10,4	209	96
5 x 2,5	11,2	248	120	11,2	248	120
7 x 2,5	12,7	328	168	–	–	–
1 x 4	6,6	83	38	6,6	83	38
2 x 4	–	–	–	10,7	209	77
3 x 4	11,6	262	115	11,6	262	115
4 x 4	12,5	314	154	12,5	313	154
5 x 4	13,6	376	192	–	–	–
1 x 6	7,0	105	58	7,0	105	58
2 x 6	–	–	–	12,0	277	116
3 x 6	12,6	338	173	12,6	338	173
4 x 6	13,7	413	230	13,7	413	230
5 x 6	15,0	503	288	–	–	–
1 x 10	8,2	155	96	8,2	155	96
2 x 10	–	–	–	14,4	420	192
3 x 10	15,6	548	288	15,6	548	288
4 x 10	16,7	643	384	16,7	643	384
5 x 10	18,3	779	480	18,3	779	480
1 x 16	9,7	232	154	9,7	232	154
2 x 16	–	–	–	17,7	649	307,2
3 x 16	19,2	828	461	19,2	828	460,8
4 x 16	20,0	972	614	20,0	972	614
5 x 16	23,7	1288	768	23,7	1288	768
1 x 25	11,8	355	240	–	–	–
4 x 25	24,9	1520	960	24,9	1516	960
5 x 25	28,2	1966	1200	28,2	1966	1200
4 x 35	27,8	2005	1344,0	27,8	2005	1344,0
5 x 35	30,6	2455	1680,0	–	–	–

We reserve changes which serve technical progress • Copper base 150,00 €/100,00 kg
• Price upon quantity-specific request

NHXMH-J/-O

acc. to VDE 0250 part 214
with an improved behavior under fire conditions



APPLICATION

For fixed installation in dry and moist or wet rooms as well as in masonry and concrete, on, in and under plaster, but not for direct embedding in jolted, agitated or tamped concrete. Mainly for use in buildings with high concentration of persons and material goods, where improved fire behaviour is required.

STANDARDS

2006/95/EC (Low-voltage Directive) CE
 flammability acc. to VDE 0482 part 266-2-4, test method C

CONSTRUCTION

Conductor: copper, bare, single- or multi-wired
Core insulation: cross-linked polyethylene (XLPE)
Core identification: acc. to VDE 0293
Core stranding: cores twisted to layers, filled sheath
Sheath: halogen-free thermoplastic polymer compound; colour: grey RAL 7035

BEHAVIOR UNDER FIRE CONDITIONS

Low flame propagation
 No corrosive gases
 Low smoke development

ELECTRICAL CHARACTERISTICS

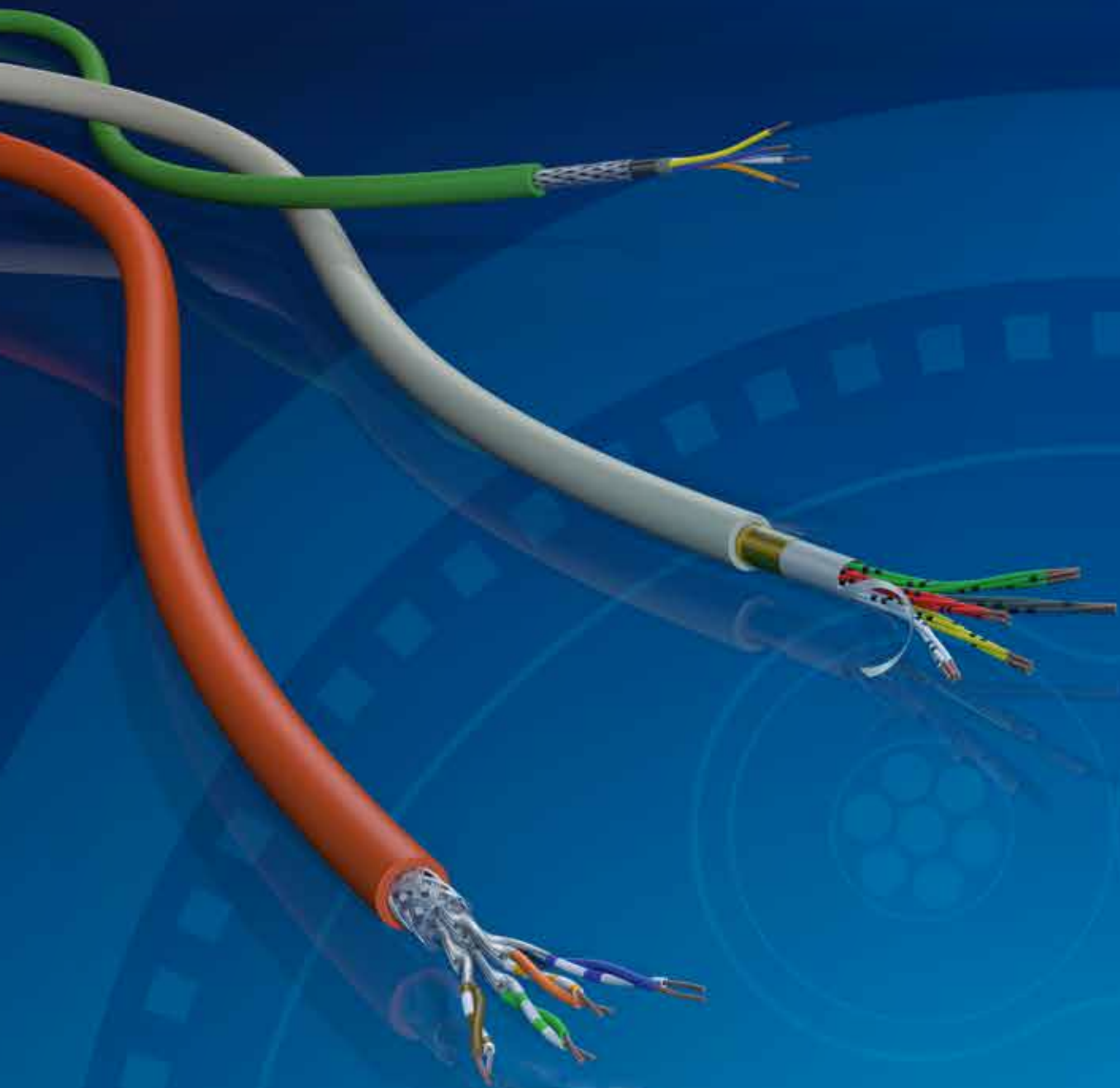
Nominal voltage U_0/U 300/500V
 Test voltage 2000V

THERMAL & MECHANICAL PROPERTIES

Operating temp. at conductor max. +70°C
 Laying temperature min. +5°C
 Minimum bending radius 4 x diameter

dimension	diameter appr. mm	cable weight ca. kg/km	copper index kg/km
NHXMH-J			
1 x 1,5	5,3	42	14
3 x 1,5	8,5	116	43
4 x 1,5	9,0	133	58
5 x 1,5	10,0	166	72
7 x 1,5	10,5	194	101
10 x 1,5	12,9	287	144
12 x 1,5	13,2	310	173
1 x 2,5	5,7	54	24
3 x 2,5	9,1	149	72
4 x 2,5	10,	186	96
5 x 2,5	10,8	220	120
7 x 2,5	11,6	271	168
1 x 4	6,4	73	38
3 x 4	11,3	237	115
4 x 4	12,0	280	154
5 x 4	13,0	335	192
1 x 6	6,9	96	58
3 x 6	12,2	306	173
4 x 6	13,3	379	230
5 x 6	14,4	454	288
1 x 10	7,9	140	96
3 x 10	14,4	459	288
4 x 10	15,8	575	384
5 x 10	17,2	694	480
1 x 16	9,3	208	154
3 x 16	18,4	747	461
4 x 16	20,0	923	614
5 x 16	22,2	1135	768
1 x 25	11,0	310	240
3 x 25	22,4	1136	720
4 x 25	24,7	1429	960
5 x 25	26,6	1698	1200
4 x 35	27,6	1897	1344
NHXMH-O			
1 x 1,5	5,3	42	14

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 • Price upon quantity-specific request



CABLES MADE IN GERMANY