

NYM-J/-O PVC-Sheathed Cable VDE approved



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**
U₀/U 300/500 V
- **Test voltage** 2000 V
- **Minimum bending radius**
fixed installation 4x cable Ø
- **Radiation resistance**
up to 80x10⁶ 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, T1 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 ø ca. mm	Cop. weight kg / km	Weight ca. 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

Part No.	No. cores x cross-sec. mm ²		Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.
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
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
39065	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)