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** U_0/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
- Core insulation of PVC compound type TI1 to DIN VDE 0207-363-3 / DIN EN 50363-3
- Core identification to DIN VDE 0293-308
- Cores stranded in layers with optimal lay-length
- Filler
- Outer sheath of PVC compound type TM1 to DIN VDE 0207-363-4-1 / DIN EN 50363-4-1
- Sheath colour grey (RAL 7035)

Properties

Tests

- PVC self-extinguishing and flame retardant acc. to DIN 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, multi-wire
- G = with green-yellow conductor
  x = without green-yellow conductor (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/EC.

Part no.	No.cores x cross-sec. mm²		Outer Ø 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. mm²		Outer Ø 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. (RO01)