NYM-J / NYM-O / (N)YM-J

PVC Installation cable



TECHNICAL DATA

PVC Installation cable, NYM-J / NYM-O acc. to DIN VDE 0250-204; (N)YM-J in alignment with DIN VDE 0250-204

Temperature range	fixed -40°C to +70°C during installation +5°C to +70°C
Nominal voltage	AC U_0/U 300/500 V
Test voltage core/core	2000 V
Minimum bending radius	fixed 4x Outer-Ø

CABLE STRUCTURE

- Copper conductor bare, 1.5 - 10 mm²: solid acc. to DIN VDE 0295 Class 1 / IEC 60228 Class 1; 16 - 35 mm²: stranded acc. to DIN VDE 0295 Class 2 / IEC 60228 Class 2
- Core insulation: PVC acc. to DIN VDE 0207-363-3 / DIN EN 50363-3 (compound type TI1)
- Core identification acc. to DIN VDE 0293-308,
  1 core(s): black or green-yellow
  2 - 5 core(s): colour coded
  7 - 12 core(s): black cores with consecutive labeling in white digits
- G = with protective conductor GN-YE,
  x = without protective conductor
- Cores stranded in layers with optimal lay lengths
- Core sheating (filling compound) for multi-core cables
- Outer sheath: PVC acc. to DIN VDE 0207-363-4-1 / DIN EN 50363-4-1 (compound type TM1)
- Sheath colour: grey (RAL 7035)

TESTS

- flame-retardant acc. to DIN VDE 0482-332-1-2 / DIN EN 60332-1-2 / IEC 60332-1-2
- certifications and approvals:
  EAC

APPLICATION

For industrial and domestic installations; suitable for dry, damp and wet environments; for installation above, on, in and under plaster as well as in masonry walls and in concrete, however not for direct embedding in vibration, compacted or tamped concrete. Suitable for outdoor installation as long as the cable is protected against direct sunlight.

NOTES

- re = round, solid conductor
  rm = round, stranded conductor
- the conductor is metrically (mm²) constructed, AWG numbers are approximated, and are for reference only

NYM-O acc. to DIN VDE 0250-204

Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer Ø mm, approx.	Cu factor per km	Weight kg/km, approx.
39001	1 x 1.5 re	16	5.4	14.4	40.0
39006	2 x 1.5 re	16	8.7	29.0	104.0
39007	3 x 1.5 re	16	9.1	43.0	135.0
39009	4 x 1.5 re	16	9.8	58.0	160.0
39017	5 x 1.5 re	16	10.3	72.0	190.0
39023	7 x 1.5 re	16	11.5	101.0	235.0
39024	1 x 2.5 re	14	6.0	24.0	70.0
39008	3 x 2.5 re	14	10.4	72.0	190.0
39010	4 x 2.5 re	14	11.3	96.0	230.0
39018	5 x 2.5 re	14	12.0	120.0	270.0
39002	1 x 4 re	12	6.6	38.0	80.0
39011	4 x 4 re	12	13.0	154.0	330.0
39019	5 x 4 re	12	14.5	192.0	410.0
39003	1 x 6 re	10	7.2	58.0	105.0
39012	4 x 6 re	10	15.1	230.0	460.0
39020	5 x 6 re	10	16.1	288.0	540.0
39004	1 x 10 re	8	8.4	96.0	155.0
39013	4 x 10 re	8	17.6	384.0	680.0
39021	5 x 10 re	8	19.2	480.0	850.0
39005	1 x 16 rm	6	9.9	154.0	230.0
39014	4 x 16 rm	6	21.3	614.0	1048.0
39022	5 x 16 rm	6	23.4	768.0	1280.0
39015	4 x 25 rm	4	25.8	960.0	1649.0
39016	4 x 35 rm	2	28.5	1344.0	2000.0

NYM-J acc. to DIN VDE 0250-204

Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer Ø mm, approx.	Cu factor per km	Weight kg/km, approx.
39050	1 G 1.5 re	16	5.4	14.4	40.0
39056	3 G 1.5 re	16	9.1	43.0	135.0
39058	4 G 1.5 re	16	9.8	58.0	160.0
39066	5 G 1.5 re	16	10.3	72.0	190.0
39072	7 G 1.5 re	16	11.5	101.0	235.0
39055	1 G 2.5 re	14	6.0	24.0	70.0
39057	3 G 2.5 re	14	10.4	72.0	190.0
39059	4 G 2.5 re	14	11.3	96.0	230.0
39067	5 G 2.5 re	14	12.0	120.0	270.0
39075	7 G 2.5 re	14	13.2	168.0	342.0
39051	1 G 4 re	12	6.6	38.0	80.0
39074	3 G 4 re	12	12.0	115.0	258.0

02.10.2026 / We reserve the right to make technical changes; the imprint in the image is purely exemplary

Continued on next page

NYM-J / NYM-O / (N)YM-J

PVC Installation cable

NYM-J acc. to DIN VDE 0250-204

Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer Ø mm, approx.	Cu factor per km	Weight kg/km, approx.
39060	4 G 4 re	12	13.0	154.0	330.0
39068	5 G 4 re	12	14.5	192.0	410.0
39052	1 G 6 re	10	7.2	58.0	105.0
39078	3 G 6 re	10	13.0	173.0	320.0
39061	4 G 6 re	10	15.1	230.0	460.0
39069	5 G 6 re	10	16.1	288.0	540.0
39053	1 G 10 re	8	8.4	96.0	155.0
39062	4 G 10 re	8	17.6	384.0	680.0

Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer Ø mm, approx.	Cu factor per km	Weight kg/km, approx.
39070	5 G 10 re	8	19.2	480.0	850.0
39054	1 G 16 rm	6	9.9	154.0	230.0
39063	4 G 16 rm	6	21.3	614.0	1048.0
39071	5 G 16 rm	6	23.4	768.0	1280.0
39064	4 G 25 rm	4	25.8	960.0	1649.0
39073	5 G 25 rm	4	28.7	1200.0	1970.0
39065	4 G 35 rm	2	28.5	1344.0	2000.0

(N)YM-J in alignment with DIN VDE 0250-204

Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer Ø mm, approx.	Cu factor per km	Weight kg/km, approx.
39076	10 G 1.5 re	16	13.8	144.0	330.0
39077	12 G 1.5 re	16	14.4	173.0	405.0

Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer Ø mm, approx.	Cu factor per km	Weight kg/km, approx.
39080	12 G 2.5 re	14	15.4	288.0	660.0
39079	1 G 25 rm	4	12.0	240.0	325.0

02. 10.2026 / We reserve the right to make technical changes; the imprint in the image is purely exemplary