

Cables 300/500 V

NYM-J NYM-O



Description

The NYM cables comply with the construction product classification criteria according to the EU CPR Regulation 305/2011 and EN 50575, being those indicated for industrial use, household use and wiring. Made in accordance with VDE 0250-204 These cables can be used over and under plaster, masonry and concrete. The cables must not come in direct contact with concrete. Their use in open air is only possible as long as the cable is protected against direct sunlight. They can be used in dry, damp or wet environments.

Reference Standards: DIN VDE 0281-1, UNE 21031-4 and HD 21.4S2 and IEC 60227-4

Applications

Suitable for the following installations:

- Internal or receptive installations
- Internal installations for houses and premises
- Installations in premises with special characteristics
- Installations with special purposes: building work provisional and temporary installations
- Receiver installations
- Electrical installations on furniture

Technical Characteristics

1. Conductor	Rigid electrolyte copper (Class I-II) in accordance with DIN VDE 0295, UNE-EN 60228, EN 60228 and IEC 60228
2. Insulation	PVC type TI-1 in accordance with DIN VDE 0281-1, UNE 21031-4 and HD 21.4S2:1990 and IEC227-4:1979 MOD
3. Filling	PVC
4. Sheath	PVC type TM-1 in accordance with DIN VDE 0281-1, UNE 21031-4 and HD 21.4S2:1990 and IEC227-4:1979 MOD
Nominal voltage	300/500 V
Test voltage	2.000 V A.C.
Maximum temperature	70 °C

Other characteristics

Made in accordance with VDE 0250-204

Colours in accordance with DIN VDE 0293-308, UNE 21089 and HD 186S2

No flame propagation in accordance with VDE 0482-332-1-2, UNE-EN 60332-1, EN 60332-1 and IEC 60332

CPR classified according to EN 50575

NYM-J cables are made with a yellow/green conductor

NYM-O cables are made without yellow/green conductor

Dimensions

Section (mm ²)	Resistance at 20 °C (Ohm/km)	External Diameter (mm)	Weight (kg/km)	Class
1x1,5	12,1	5,30	44	-
1x2,5	7,41	5,80	57	-
1x4	4,61	6,50	79	-
1x6	3,08	7,05	101	-
1x10	1,83	8,20	152	Eca
1x16	1,15	9,25	213	Eca
1x25	0,727	10,95	310	Eca
1x35	0,524	12,00	411	Eca
2x1,5	12,1	8,20	106	Eca
2x2,5	7,41	9,50	148	Eca
2x4	4,61	11,20	215	Eca
2x6	3,08	12,30	277	Eca
2x10	1,83	15,00	429	Eca
2x16	1,15	17,10	584	Eca
2x25	0,727	20,50	873	Eca
2x35	0,524	22,60	1.133	-
3G1,5	12,1	8,50	121	Eca
3G2,5	7,41	9,95	174	Eca
3G4	4,61	11,80	258	Eca
3G6	3,08	13,00	337	Eca
3G10	1,83	15,85	528	Eca
3x16	1,15	18,10	731	Eca

Section (mm ²)	Resistance at 20 °C (Ohm/km)	External Diameter (mm)	Weight (kg/km)	Class
3G25	0,727	22,20	1.115	-
3G35	0,524	24,45	1.462	-
4x1,5	12,1	9,80	160	Eca
4x2,5	7,41	11,05	218	Eca
4x4	4,61	13,70	341	Eca
4x6	3,08	14,70	431	Eca
4x10	1,83	17,40	654	Eca
4x16	1,15	19,80	907	Eca
4x25	0,727	24,30	1.383	-
4x35	0,524	26,85	1.825	-
5x1,5	12,1	10,60	187	Eca
5x2,5	7,41	11,95	255	Eca
5x4	4,61	14,20	379	Eca
5x6	3,08	15,70	501	Eca
5x10	1,83	18,80	771	Eca
5x16	1,15	22,05	1.110	-
5x25	0,727	26,65	1.661	-
5x35	0,524	30,40	2.276	-
7x1,5	12,1	12,50	269	Eca
7x2,5	7,41	12,80	320	Eca
10x1,5	12,1	12,85	302	Eca
12x1,5	12,1	13,55	344	Eca