


1600000	DATA SHEET	
valid from: 01.01.2019	NYM-O, NYM-J	

Application

NYM-O, NYM-J are single or multicore PVC sheathed cables intended for fixed installation over, on, in and under the plastering in dry, damp and wet locations as well as in masonry and concrete, except direct embedding in vibrated or compressed concrete. They are suitable for outdoor use if protected against direct sunlight.

Design

Design	acc. to DIN VDE 0250-204 (VDE 0250-204)
Conductor	up to 10 mm ² : single-wire copper conductor acc. to IEC 60228, Class 1 from 16 mm ² : multi-wire copper conductor acc. to IEC 60228, Class 2
Insulation	PVC compound type TI1 acc. DIN VDE 0281-1 (VDE 0281 part 1)
Core identification code	up to 5 cores: colour-coded acc. VDE 0293-308 (VDE 0293-308) with resp. without GN-YE protective conductor from 6 cores: black cores with white numbers acc. EN 50334 (VDE 0293-334) Coating: filling compound over the core assembly
Outer sheath	PVC compound type TM1 acc. DIN VDE 0281-1 (VDE 0281 part 1) colour: grey

Electrical properties at 20°C

Rated voltage	U ₀ /U: 300/500 V
Test voltage	2000 V AC

Mechanical and thermal properties

Minimum bending radius	4 x outer diameter
Temperature range	during installation: +5°C to +60°C fixed installation: -40°C to +70°C at conductor: max. +70°C
Flammability	acc. to IEC 60332-1-2
Tests	The cable is characterized with the <VDE>-sign or VDE-identification thread.
General requirements	These cables are conform to the EU-Directive 2014/35/EU (Low Voltage Directive)

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