


|                           |                   |   |
|---------------------------|-------------------|---|
| 1600000                   | <b>DATA SHEET</b> |  |
| valid from:<br>2022-08-26 | <b>NYM</b>        |   |

## Application

NYM 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)  |
| Certification            | The cable is marked with the <VDE>-sign or VDE-identification thread.<br>Classification of fire behaviour according to EN 13501-6 and EN 50575 (article/dimension range see <a href="http://www.lappkabel.com/cpr">www.lappkabel.com/cpr</a> )       |
| Conductor                | up to 10 mm <sup>2</sup> : single-wire copper conductor acc. to IEC 60228 resp. EN 60228, Class 1<br>from 16 mm <sup>2</sup> : multi-wire copper conductor acc. to IEC 60228 resp. EN 60228, Class 2   |
| Insulation               | PVC compound type T11 acc. DIN VDE 0281-1 (VDE 0281-1)   |
| Core identification code | up to 5 cores:<br>colour-coded acc. VDE 0293-308 (VDE 0293-308)<br>with resp. without GN-YE protective conductor<br>from 6 cores:<br>black cores with white numbers acc. EN 50334 (VDE 0293-334)<br>Coating: filling compound over the core assembly |
| Outer sheath             | PVC compound type TM1 acc. DIN VDE 0281-1 (VDE 0281-1)<br>colour: grey   |

## Electrical properties at 20 °C

|                 |                              |
|-----------------|------------------------------|
| Nominal voltage | U <sub>0</sub> /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<br>fixed installation: -40 °C to +70 °C<br>at conductor: max. +70 °C |
| Flammability           | flame retardant acc. to EN 60332-1-2 resp. IEC 60332-1-2  |

**General requirements** These cables conform to the EU-Directive 2014/35/EU (Low Voltage Directive)  
These cables (see [www.lappkabel.com/cpr](http://www.lappkabel.com/cpr)) are classified in accordance with the EU-Regulation no. 305/2011 (CPR).

**Environmental information** These cables meet the substance-specific requirements of the EU Directive 2011/65/EU (RoHS).

**Note** Trade product, no Lapp product

|                      |                       |             |
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| Released: ALTE / PDC | Version: 06           |             |