


15503003	<b>DATA SHEET</b>	
valid from: 2024-02-16	<b>NYCY</b>	

## Application

NYCY are cables with insulation and outer sheathing of PVC and a helical concentric conductor. They are used for fixed installation in dry or damp rooms as well as outdoors and underground.

NYCY is used for power supply and as control cable.

## Design

Design	acc. to DIN VDE 0276-603 resp. HD 603
Certification	The cable is marked with the <VDE>-sign or VDE-identification thread.
	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	single or multi-wire, bare copper wire conductor acc. IEC 60228 resp. EN 60228, class 1 or 2
Insulation	PVC compound DIV4 acc. DIN VDE 0276-603 resp. HD 603
Core identification code	colour-coded acc. to VDE 0293-308
Screen	concentric conductor: helical, outer conductor made of bare copper strands
Outer sheath	PVC compound DMV5 acc. DIN VDE 0276-603 resp. HD 603 colour: black

## Electrical properties at 20 °C

Nominal voltage	U <sub>0</sub> /U: 600/1000 V
Test voltage	C / C: 4000 V AC

## Mechanical and thermal properties

Minimum bending radius	single core: 15 x outer diameter multi core: 12 x outer diameter
Temperature range	during installation: -5 °C up to + 50 °C fixed installation: -40 °C up to +70 °C
Flammability	flame retardant acc. to IEC 60332-1-2 resp. EN 60332-1-2
Weather and UV resistance	acc. to EN 50525-1 cable with black sheath are suitable for permanent outdoor use.

<b>Tests</b>	acc. to IEC 60811 resp. EN 60811, EN 50395, EN 50396
<b>General requirements</b>	These cables are conform to the EU-Directive 2014/35/EU (Low Voltage Directive) These cables (see <a href="http://www.lappkabel.com/cpr">www.lappkabel.com/cpr</a> ) are classified in accordance with the EU-Regulation no. 305/2011 (CPR).
<b>Environmental information</b>	These cables meet the substance-specific requirements of the EU Directive 2011/65/EU (RoHS).
<b>Note</b>	Trade product, no Lapp product

Creator: PESA / PDC	Document: DB15503003EN	Page 1 of 1
Released: ALTE / PDC	Version: 08	