

15503003	DATA SHEET	
valid from: 2026-06-16	NYCY	

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 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 www.lappkabel.com/cpr)
Conductor	single or multi-wire, bare copper wire conductor acc. to IEC 60228 resp. EN IEC 60228, class 1 or 2
Insulation	PVC compound DIV4 acc. to 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. to VDE 0276-603 resp. HD 603 colour: black

Electrical properties at 20 °C

Nominal voltage	U ₀ /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

Tests

General requirements

acc. to IEC 60811 resp. EN 60811, EN 50395, EN 50396
These cables conform to the EU-Directive 2014/35/EU (Low Voltage Directive)
These cables (see 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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