


1550500	<b>DATA SHEET</b>	
valid from: 2021-10-20	NYCWY	

## Application

NYCWY are cables with insulation and outer sheathing of PVC and a wave-like concentric conductor. They are used for fixed installation in dry or damp rooms as well as outdoors and underground.  
NYCWY is used for power supply and as control cable.

## Design

Design	acc. to DIN VDE 0276-603 (VDE 0276-603) resp. HD 603
Certification	The cable is marked with the <math>\triangleleft VDE \triangleright</math> HAR-sign or HAR-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 (VDE 0276-603) resp. HD 603
Core identification code	colour-coded acc. to VDE 0293-308 (VDE 0293-308)
Screen	concentric conductor: helical, outer conductor made of bare copper strands
Outer sheath	PVC compound DMV5 acc. DIN VDE 0276-603 (VDE 0276-603) resp. HD 603 colour: black

## Electrical properties at 20 °C

Nominal voltage	$U_0/U$ : 600/1000 V
Test voltage	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 EN 60332-1-2 resp. IEC 60332-1-2

**Tests** acc. to IEC 60811, EN 50395, EN 50396

**General requirements** These cables are 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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