

1550500	DATA SHEET	
valid from: 2023-10-16	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 <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. 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
Weather and UV resistance	acc. to EN 50525-1 (VDE 0285-525-1) cable with black sheath are suitable for permanent outdoor use.

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) 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

AbN
automation

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