

1550500	DATA SHEET	
valid from: 01.01.2019	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
Conductor	single or multi-wire, bare copper wire conductor acc. IEC 60228 resp. EN 60228 (VDE 0295), 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

Rated 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	acc. to IEC 60332-1-2 resp. EN 60332-1-2 (VDE 0482-332-1-2)
Tests	The cable is characterized with the <VDE>-sign or VDE-identification thread.
General requirements	These cables are conform to the EU-Directive 2014/35/EU (Low Voltage Directive)

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