

Application

NYY are cables with an insulation and an outer sheathing of PVC. They are used for fixed installation in dry or damp rooms as well as outdoors, underground and under water. Multicore cables have a common core covering over the twisted cores or a filler.

Design

Design	based on DIN VDE 0276-603 VDE 0276-603 (for 1 to 5 cores) DIN VDE 0276-627 VDE 0276-627 (as from 7 cores)
Conductor	round, single- or multi-wire, strands of copper acc. to IEC 60228 resp. VDE 0295, class 1
Core insulation	PVC compound DIV4 acc. to DIN VDE 0276-603 VDE 0276-603
Core identification	up to 5 cores: colour coded acc. to DIN VDE 0293-308 VDE 0293-308 from 6 cores: black with white numbers
Outer sheath	PVC compound DMV5 acc. to DIN VDE 0276-603 VDE 0276-603 colour: black

Electrical properties

Nominal voltage	U_0 / U 600 / 1000 V
Test voltage	4000 V AC

Mechanical and thermal properties

Min. bending radius	single core: 15 x outer diameter multi core: 12 x outer diameter
Temperature range	during installation: -5 °C up to +50 °C max. conductor temperature fixed installation: -40 °C up to +70 °C max. conductor temperature
Flammability	flame retardant acc. to IEC 60332-1-2 resp. VDE 0482-332-1-2
EC directive	This cable is conform to ECD 2006/95/EC (Low Voltage Directive) and 2011 / 65 / EU (RoHS, Restriction of the use of certain hazardous substances).