

1550030	DATA SHEET	 LAPP
valid from: 2024-02-16	NYY	

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.

"O": without protective conductor GN/YE

"J": with protective conductor GN/YE

Design

Design	acc. to VDE 0276-603 rep. HD 603 (for 1 to 5 cores) VDE 0276-627 resp. HD 627 (starting at 7 cores)
Certification	Classification of fire behaviour according to EN 13501-6 and EN 50575 (article/dimension range see www.lappkabel.com/cpr)
Conductor	round (R) or sectorial (S), single- (E) or multi-wire (M), RE conductor: strands of copper acc. to IEC 60228 resp. EN 60228, class 1 RM conductor: strands of copper acc. to IEC 60228 resp. EN 60228, class 2 SM conductor: strands of copper acc. to DIN VDE 0276-603
Insulation	PVC compound DIV4 acc. to VDE 0276-603
Core identification code	up to 5 cores: colour coded acc. to VDE 0293-308 from 6 cores: black with white numbers
Outer sheath	PVC compound DMV5 acc. to VDE 0276-603 colour: black

Electrical properties at 20 °C

Nominal voltage	U ₀ /U: 600 / 1000 V max. 1.8 kV (DC voltage core-ground)
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 max. conductor temperature fixed installation: -40 °C up to +70 °C max. conductor temperature
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.

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

Creator: PESA / PDC	Document: DB1550030EN	Page 1 of 1
Released: ALTE / PDC	Version: 09	