


1552010	DATA SHEET	
valid from: 2025-03-19	NAYY	

Application

are aluminium cables with PVC insulation and PVC outer sheath for fixed installation in dry and damp rooms as well as outdoors and underground. Multi-core cables have a common core covering or a filler over the twisted cores.

"O": without protective conductor GN/YE

"J": with protective conductor GN/YE

Design

Design	acc. to VDE 0276-603 resp. HD 603
Certification	The cable is characterized with the <VDE>-sign or VDE-identification thread.
Conductor	Classification of fire behaviour according to EN 13501-6 and EN 50575 (article/dimension range see www.lappkabel.com/cpr) round (R) or sectorial (S), single- (E) or multi-wire (M), RE conductor: strands of aluminium acc. to IEC 60228 resp. EN IEC 60228, class 1 RM conductor: strands of aluminium acc. to IEC 60228 resp. EN IEC60228, class 2 SE conductor: strands of aluminium acc. to VDE 0276-603
Insulation	PVC compound type DIV4 acc. to VDE 0276
Core identification code	acc. to VDE 0293-308
Outer sheath	PVC compound type DMV5 acc. to VDE 0276 colour: black

Electrical properties at 20 °C

Nominal voltage	U ₀ /U: 600/1000 V max. 1,8kV (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 fixed installation: -30 °C up to +70 °C
Flammability	flame retardant acc. to IEC 60332-1-2 resp. EN 60332-1-2
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

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