

1552010	DATA SHEET	
valid from: 01.01.2019	NAYY	

Application

NAYY 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.

Design

Design	acc. to DIN VDE 0276-603 (VDE 0276-603) resp. HD 603
Conductor	single-wire aluminium conductor acc. to IEC 60228 resp. EN 60228 (VDE 0295), Class 1 or 2
Insulation	PVC compound type DIV4 acc. VDE 0276
Core identification code	acc. to VDE 0293-308 (VDE 0293-308)
Outer sheath	PVC compound type DMV5 acc. VDE 0276 colour: black

Electrical properties at 20°C

Rated 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 Außendurchmesser multi-core: 12 x Außendurchmesser
Temperature range	during installation: -5°C bis +50°C fixed installation: -30°C bis +70°C
Flammability	acc. to IEC 60332-1-2
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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