



## VDE-registered oil-resistant PVC control cable for a wide range of applications

Wide choice of standardized lengths and individual cuts; Very broad range, items with up to 100 conductors

- VDE certificate of conformity with factory surveillance
- More than 140 items with up to 100 conductors



## Product description

### Application range

- For fixed installation as well as occasional flexing at free, non-continuously recurring movement without tensile load
- Dry or damp rooms that are subject to medium mechanical loads
- Suitable for torsional applications which are typical for the loop in wind turbine generators (WTG)
- In power chains for a travelling distance up to 5 m and 0,2 ... 1 million bending cycles, for following dimensions: 0,5 to 2.5mm<sup>2</sup> and 2 to 7 conductors

### Benefits

- Wide choice of standardized lengths and individual cuts
- Very broad range, items with up to 100 conductors

### Product Make-up

- Fine-wire strand made of bare copper wires
- PVC insulation LAPP P8/1
- Cores twisted in layers
- PVC outer sheath, grey (RAL 7001)

## Norm references / Approvals

- VDE reg. no. 7030 for the following sizes:
  - up to 2.5 mm<sup>2</sup>: 2 - 65 cores
  - from 4 mm<sup>2</sup>: 2 - 7 cores
  - from 25 mm<sup>2</sup>: 2 - 5 cores

## Product features

- Flame-retardant according IEC 60332-1-2
- Good chemical resistance, see catalogue appendix T1
- Oil-resistant according to DIN EN 50290-2-22 (TM54)

## Technical Data

Core identification code	Black with white numbers acc. to VDE 0293-1
Classification	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Conductor stranding	Fine wire according to DIN EN 60228 (VDE 0295), class 5 / IEC 60228 class 5
Torsion movement in WTG	TW-0 & TW-1, refer to Appendix T0
Minimum bending radius	Occasional flexing: 10 x outer diameter In power chains: 15 x outer diameter Fixed installation: 4 x outer diameter
Nominal voltage	U <sub>0</sub> /U: 300/500 V
Test voltage	4000 V
Protective conductor	G = with GN-YE protective conductor X = without protective conductor
Temperature range	Occasional flexing: -15°C to +70°C In power chains: -5°C to +70°C Fixed installation: -40°C to +80°C