



Control cable, cold flexible down to -30°C also for outdoor use

Space-saving installation due to small cable diameters; High electrical performance due to 4 kV test voltage

- VDE certificate of conformity with factory surveillance
- UV and weather-resistant according to ISO 4892-2
- Torsion-resistant and very flexible



Product description

Application range

- Plant engineering
Industrial machinery
Heating and air-conditioning systems
- Freezing plants, cold storage
- Suitable for outdoor applications
- Suitable for torsional applications which are typical for the loop in wind turbine generators (WTG)

Benefits

- Space-saving installation due to small cable diameters
- High electrical performance due to 4 kV test voltage

Product Make-up

- Fine-wire strand made of bare copper wires
- Core insulation: PVC, cold-resistant
- PVC outer sheath, cold-resistant, grey (RAL 7001)

Norm references / Approvals

- VDE reg. no. 8274

Product features

- Flame-retardant according IEC 60332-1-2
- Flexible down to -30°C
- UV and weather-resistant according to ISO 4892-2
- Ozone-resistant according to EN 50396

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 VDE 0295, class 5/IEC 60228 class 5
Torsion movement in WTG	TW-0 & TW-2, refer to Appendix T0
Minimum bending radius	Occasional flexing: 15 x outer diameter Fixed installation: 4 x outer diameter
Nominal voltage	U ₀ /U: 300/500 V
Test voltage	4000 V
Protective conductor	G = with GN-YE protective conductor X = without protective conductor
Temperature range	Occasional flexing: -30°C to +70°C Fixed installation: -40°C to +80°C