ÖLFLEX® CLASSIC 100

Colour-coded PVC control cable

Space-saving installation due to small cable diameters; High electrical performance due to 4 kV test voltage; HIgh flexibility due to short-twisted conductor layers

- Up to 1.5 mm²: Nominal voltage U_0/U: 300/500VFrom 2,5mm²: Nominal voltage U_0/U: 450/750V
- Conductor cross-section up to 185 mm²

CE

RoHS

Product description

Application range

- Plant engineering
  Industrial machinery
  Heating and air-conditioning systems
  Power stations
- Dry or damp rooms that are subject to medium mechanical loads
- For fixed installation as well as occasional flexing at free, non-continuously recurring movement without tensile load
- 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

- HIgh flexibility due to short-twisted conductor layers

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

- Based on IEC 60227-5 and EN 50525-2-51

Product features

- Flame-retardant according IEC 60332-1-2
- Good chemical resistance, see catalogue appendix T1

Technical Data

Core identification code	Up to 5 cores: colour-coded according to VDE 0293-308, refer to Appendix T9 From 6 cores: ÖLFLEX® colour code, refer to Appendix T7
Classification	ETIM 5.0 Class-ID: EC001578 ETIM 5.0 Class-Description: Flexible cable
Conductor stranding	Fine wire according to 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: 15 x outer diameter Fixed installation: 4 x outer diameter
Nominal voltage	Up to 1.5 mm²: U_0/U: 300/500 V From 2.5 mm²: U_0/U: 450/750 V From 2.5 mm², in the case of fixed and protected installations: U_0/U: 600/1000 V
Test voltage	4000 V
Protective conductor	G = with GN-YE protective conductor X = without protective conductor
Temperature range	Occasional flexing: -5°C to +70°C Fixed installation: -40°C to +80°C