ÖLFLEX® FD 90

PVC-insulated, PVC sheath, single core, approved

Multi-standard approval reduces part varieties and saves costs; Easy to install; Multifunctional application possibilities; Also suitable for mobile outdoor use

- Core Line for ordinary duty in power chain applications
- Well-proven and reliable

Product description

Application range

- In power chains or moving machine parts
- For internal wiring of electric and electronic equipment in switch cabinets
- This cable can substitute multi-core shielded servo drive cables where space requirements or minimum bending radii cause problems
- Specially designed for power circuits of servomotors driven by frequency converters
- Test systems in the automotive industry, vehicles and stationary fuel cell systems

Benefits

- Multi-standard approval reduces part varieties and saves costs
- Easy to install
- Multifunctional application possibilities
- Also suitable for mobile outdoor use

Product Make-up

- Extra-fine wire strand made of bare copper wires (class 6)
- Non-woven wrapping
- Core insulation: PVC
- PVC outer sheath, black (RAL 9005)

Norm references / Approvals

- UL-AWM-Style 10107, cRU AWM II A/B FT1 ?150mm²
- CSA AWM IA/B IIA/B FT 1 ? 120mm²
- Based on VDE 0250 / 0285
- For use in power chains: Please comply with the assembly guidelines listed in Appendix T3

Product features

- Low-adhesive surface
- Flame-retardant according to IEC 60332-1-2 & CSA FT1
- High oil-resistance
- Designed for 5 million alternating bending cycles and travel distances up to 10 meter
- UL File No. E63634

Technical Data

Core identification code	Black or green-yellow, other colours available on request
Classification	ETIM 5.0 Class-ID: EC000057 ETIM 5.0 Class-Description: Low voltage power cable
Conductor stranding	Extra-fine wire according to VDE 0295, class 6/IEC 60228 class 6
Minimum bending radius	Flexing: 7.5 x outer diameter Fixed installation: 3 x outer diameter
Nominal voltage	IEC: 600/1000 V UL & CSA: 600 V
Test voltage	4000 V
Protective conductor	G = with PE conductor X = without PE jacket
Temperature range	Flexing: -5°C to +90°C Fixed installation: -40°C to +90°C