# ÖLFLEX® FD 90 CY

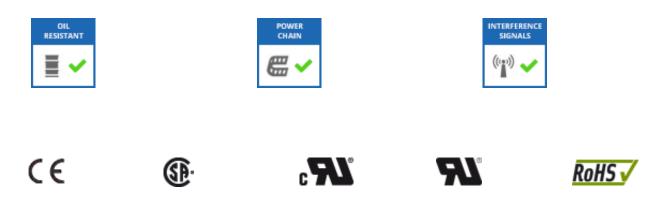




#### Screened single core, PVC-insulated, PVC sheath, approved

Multi-standard approval reduces part varieties and saves costs; Easy to install; For various applications

- · Core Line for ordinary duty in power chain applications
- EMC-compliant



## **Product description**

#### **Application range**

- · In power chains or moving machine parts
- · For internal wiring of electric and electronic equipment in switch cabinets
- · Specially designed for power circuits of servomotors driven by frequency converters
- This cable can substitute multi-core shielded servo drive cables where space requirements or minimum bending radii cause problems
- 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
- For various applications

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### Product Make-up

- Extra-fine wire strand made of bare copper wires (class 6)
- Non-woven wrapping
- Core insulation: PVC
- Tinned-copper braiding
- PVC outer sheath, orange (RAL 2003)

### Norm references / Approvals

- UL-AWM-Style 10107, cRU AWM II A/B FT1 ?150mm<sup>2</sup>
- CSA AWM IA/B IIA/B FT 1 ? 120mm<sup>2</sup>
- 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 Classification	Black, other colours are available upon request 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	For flexible use:
	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	X = without protective conductor
Temperature range	Flexing: -5°C to +90°C
	Fixed installation: -40°C to +90°C