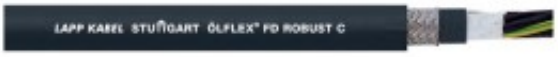
ÖLFLEX® ROBUST FD C



Screened, TPE-insulated, numbered, TPE inner and outer sheath

Well-proven and reliable; Various applications; Suitable for all weather conditions; EMC-compliant; For indoor and outdoor use

- Good chemical resistance
- Extended Line for heavy duty in power chain applications

CE RoHS

Product description

Application range

- Machine tool building, medical technology, laundries, car washing equipment, chemical industry, composting plants, sewage works
- Particularly in wet areas of machine tools and transfer lines
- Food and beverage industry, especially for production and processing equipment of milk and meat products
- Resistant to contact with plant, animal or synthetic-based organic oils, greases, waxes and the related emulsions
- Assembly lines, production lines, in all kinds of machines

Benefits

- Well-proven and reliable
- Various applications
- Suitable for all weather conditions

- EMC-compliant
- For indoor and outdoor use

Product Make-up

- Extra-fine wire, tinned copper strands
- Core insulation: TPE
- Cores twisted together in extremely short lay lengths
- Non-woven wrapping
- Inner sheath made of TPE
- Tinned-copper braiding
- Robust outer sheath made of special halogen-free TPE, black (RAL 9005)

Norm references / Approvals

- Based on VDE 0250 / 0285
- For use in power chains: Please comply with the assembly guidelines listed in Appendix T3

Product features

- Hydrolysis-resistant to warm and hot water
- Low-adhesive surface
- Highly resistant to oil and chemicals
- In dry, damp or wet interiors with normal mechanical stress conditions
- Designed for 10 million alternating bending cycles and horizontal travel distances up to 100 meter

Technical Data

Core identification code	Black cores with printed white numbers (VDE 0293-1)
Classification	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Conductor stranding	Extra-fine wire acc. to VDE 0295, class 6/ IEC 60228 class 6
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	Flexing: -40 °C to +105 °C Fixed installation: -50 °C to +105 °C Short-term: up to +120 °C