ÖLFLEX® FD 855 CP

Screened, TPE-insulated, numbered, TPE inner-/PUR outer sheath, approved

Well-proven and reliable; Various applications; Suitable for all weather conditions; Ideal for export-oriented machinery and equipment manufacturers

- Extended Line for heavy duty in power chain applications
- EMC-compliant
- UL/cUL approved for North America

Product description

Application range

- In power chains or moving machine parts
- Particularly in wet areas of machine tools and transfer lines
- Mechanical engineering
- Construction machinery
- Assembly lines, production lines, in all kinds of machines

Benefits

- Well-proven and reliable
- Various applications
- Suitable for all weather conditions
- Ideal for export-oriented machinery and equipment manufacturers

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Product Make-up

- Extra-fine wire strand made of bare copper wires (class 6)
- Core insulation: TPE
- Cores twisted together in extremely short lay lengths
- Non-woven wrapping
- Inner sheath made of TPE
- Tinned-copper braiding
- PUR outer sheath, grey (RAL 7001)

Norm references / Approvals

- USA: UL AWM Style 21576 with add. VW-1
  Canada: cUL AWM Style I/II A/B FT1
- 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
- Oil-resistant
- Halogen-free and flame-retardant
  (IEC 60332-1-2)
- 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 with white numbers acc. to 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
Minimum bending radius	For flexible use: 7.5 x outer diameter Fixed installation: 4 x outer diameter
Nominal voltage	IEC U_0/U: 300/500 V UL: 1000 V
Test voltage	3000 V
Protective conductor	G = with GN-YE protective conductor X = without protective conductor
Temperature range	Flexing: -40°C to +80°C Fixed installation: -50°C to +90°C according to UL/AWM: -50°C to +80°C