ÖLFLEX® 491 P

Abrasion-resistant PUR control cables – approved for North America

Certified for the USA and Canada for export-oriented appliance and apparatus manufacturers; Increased durability under harsh conditions thanks to robust PUR outer sheath; Resistant to contact with many mineral oil-based lubricants, diluted acids, aqueous alkaline solutions and other chemical media; Metric flexible conductor design; Also available as DESINA® compliant power cable with black outer sheath colour

- For the North American market
- High mechanical strength
- Good oil resistance

Product description

Application range

- Appliance and apparatus construction
- Plant engineering
- Very suitable for oily wet areas within machinery and production lines that are subject to normal mechanical stress
- Outdoor use is possible within the indicated operating temperature range

Benefits

- Certified for the USA and Canada for export-oriented appliance and apparatus manufacturers
- Increased durability under harsh conditions thanks to robust PUR outer sheath

- Resistant to contact with many mineral oil-based lubricants, diluted acids, aqueous alkaline solutions and other chemical media
- Metric flexible conductor design
- Also available as DESINA® compliant power cable with black outer sheath colour

Product Make-up

- Fine-wire strand made of bare copper wires
- Core insulation: special PVC
- Cores twisted in layers
- Special polyurethane outer sheath (PUR)
- Sheath colour: silver grey (RAL 7001)
- DESINA®-compliant: black (RAL 9005)

Norm references / Approvals

- In accordance with UL AWM Style 20234
- cUL AWM II A/B FT1
- Multi-standard cables have conductor strands with nominal sizes in mm² or AWG/kcmil. The master size is mentioned in the table below, while the equivalent size of the other system can be found in the Appendix T16 of this catalogue. For this related secondary size the cross-section of the conductor mostly works out to be greater than the specified nominal value.

Product features

- High oil-resistance
- Abrasion and notch-resistant
- Low-adhesive surface
- Flame-retardant according to IEC 60332-1-2 & CSA FT1
- Resistant to hydrolysis and microbes

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	Fine wire according to VDE 0295, class 5/IEC 60228 class 5
Minimum bending radius	Occasional flexing: 15 x outer diameter Fixed installation: 4 x outer diameter
Nominal voltage	HAR U_0/U: 300/500 V UL/CSA: 600 V
Test voltage	4000 V
Protective conductor	G = with GN-YE protective conductor X = without protective conductor
Temperature range	Flexible use: -5°C to 80°C Fixed installation: -40°C to 80°C