



Abrasion-resistant control cables with PUR sheath for increased application requirements

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; Also available as DESINA® compliant power cable with black outer sheath colour

- High mechanical strength
- Good oil resistance



Product description

Application range

- Machine tools
- Industrial machinery and machine tools
- Measurement, control and electrical applications
- Outdoor use is possible within the indicated operating temperature range
- Very suitable for oily wet areas within machinery and production lines that are subject to normal mechanical stress

Benefits

- 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

- 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

- Based on VDE 0285

Product features

- High oil-resistance
- Abrasion and notch-resistant
- Low-adhesive surface
- Resistant to hydrolysis and microbes

Technical Data

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|--------------------------|---|
| 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 | Flexible use: 12.5 x outer diameter Fixed installation: 4 x outer diameter |
| 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 | Occasional flexing: -5°C to +70°C Fixed installation: -40°C to +80°C |