Abrasion-resistant PUR control cables, flexible at cold temperatures – screened, halogen-free and flame-retardant
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
Wide temperature range for applications in harsh climatic environments
Copper braiding screens the cable against electromagnetic interference



Suitable for outdoor use

Halogen-free

Cold-resistant

Mechanical resistance

Oil-resistant

Interference signals

Info
Suitable for all weather conditions
VDE-tested and registered
EMC compliant copper screening

Application range
Industrial machinery and machine tools
Very suitable for oily wet areas within machinery and production lines that are subject to normal mechanical stress
Construction machinery
Agricultural equipment
For indoor and outdoor use

Design
Fine-wire, tinned-copper conductor
Core insulation: TPE
Cores twisted in layers
Inner sheath made of TPE
Tinned-copper braiding
Special polyurethane outer sheath (PUR)
Sheath colour: silver grey (RAL 7001)

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Norm references / Approvals
VDE reg. no. 6582

Product features
Resistant to oil and drilling fluids according to IEC 61892-4, Appendix D
Abrasion and notch-resistant
Halogen-free and flame-retardant (IEC 60332-1-2)
Resistant to hydrolysis and microbes
Flexible at low temperatures

Remark
Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
Copper price basis: EUR 150/100kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.
Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths
Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum
Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils).
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Technical Data

Number of cores and mm² per conductor:	7 G 1,0
Outer diameter (mm):	12,8
Copper index (kg/km):	115
Weight (kg/km):	255
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
Specific insulation resistance:	> 20 GOhm x cm
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: 6 x cable diameter
Nominal voltage:	U_0/U: 300/500 V
Test voltage:	3000 V
Protective conductor:	G = with GN-YE protective conductor X = without protective conductor
Temperature range:	Occasional flexing: -40 °C to +90 °C Fixed installation: -50 °C to +90 °C

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