

ÖLFLEX® 440 CP

Screened, abrasion- and oil-resistant all-weather control cable with TPE insulation and PUR sheath - VDE certified

ÖLFLEX® 440 CP - Screened PUR control cable for indoor and outdoor use - cold flexible, abrasion resistant, flame retardant and halogen-free with VDE certification

Info

The robust multi-purpose control cable
Halogen-free and flame-retardant
VDE-tested and registered



Suitable for outdoor use



Halogen-free



Cold-resistant



Mechanical resistance



Oil-resistant



Interference signals



UV-resistant



Last Update (23.11.2021)

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Product Management www.lappkabel.de

You can find the current technical data in the corresponding data sheet.

PN 0456 / 02_03.16

ÖLFLEX® 440 CP

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
Wide temperature range for applications in harsh climatic environments
Additional robustness thanks to inner sheath
Copper braiding screens the cable against electromagnetic interference

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

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)
EMC-compliant
Flexible at low temperatures

Norm references / Approvals

VDE reg. no. 6582
Suitable for use in fresh water down to 10 m depth at max. water temperature of +40 °C according to EN 50565-2

Product Make-up

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: Grey (similar RAL 7001)

Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC000104 ETIM 6.0 Class-Description: Control cable
Core identification code:	Black with white numbers acc. to VDE 0293-334
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:	U0/U: 300/500 V
Test voltage:	3000 V
Protective conductor:	G = with GN-YE protective conductor X = without protective conductor

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Temperature range:

Occasional flexing: -40 °C to +90 °C

Fixed installation: -50 °C to +90 °C

Note

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 150/100 kg. 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 $\leq$ 30 kg or $\leq$ 250 m, otherwise drum

Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils).

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

Prices are net prices without VAT and surcharges. Sale to business customers only.

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)
ÖLFLEX® 440 CP			
0012901	3 G 0.5	8.3	44
0012902	4 G 0.5	8.8	52
0012903	5 G 0.5	9.7	61
0012904	7 G 0.5	11.2	75
0012906	12 G 0.5	13.7	131
0012907	18 G 0.5	15.7	168
0012908	25 G 0.5	18.5	212
0012911	2 X 0.75	8.4	45
0012912	3 G 0.75	8.7	52
0012913	4 G 0.75	9.5	67
0012914	5 G 0.75	10.2	75
0012915	7 G 0.75	11.9	96
0012917	12 G 0.75	14.5	160
0012919	25 G 0.75	20.3	283
0012925	2 X 1.0	8.7	49
0012926	3 G 1.0	9.3	60
0012927	4 G 1.0	9.9	78
0012928	5 G 1.0	10.8	88
0012929	7 G 1.0	12.8	115
0012931	12 G 1.0	15.4	201
0012932	18 G 1.0	17.7	267
0012933	25 G 1.0	21.5	351
0012934	34 G 1.0	23.8	498
0012940	2 X 1.5	9.5	68
0012941	3 G 1.5	9.9	83
0012942	4 G 1.5	10.8	102
0012943	5 G 1.5	11.6	119
0012944	7 G 1.5	14.2	186
0012945	12 G 1.5	16.8	264
0012946	18 G 1.5	20	379
0012947	25 G 1.5	23.5	534
0012949	41 G 1.5	28.9	803
0012950	3 G 2.5	11.4	121

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)
0012951	4 G 2.5	12.6	145
0012952	5 G 2.5	14	205
0012953	7 G 2.5	16.4	259
0012954	12 G 2.5	20.1	407

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