

ÖLFLEX® 440 CP

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

ÖLFLEX® 440 CP - shielded PUR control cables, VDE reg. for indoor and outdoor use in harsh conditions - flexible at cold temperatures, abrasion-resistant, flame-retardant and halogen-free.

Info

Halogen-free and flame-retardant
VDE-tested and registered
EMC-compliant copper shielding

LAPP KABEL STUFGART ÖLFLEX® 440 CP VDE-Reg. Nr. 6582 CE



Interference signals



Oil-resistant



Mechanical resistance



Halogen-free



Suitable for outdoor use



Cold-resistant

Benefits

Durable under harsh conditions thanks to robust PUR sheath material

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 complies with EMC requirements and screens the cable against electromagnetic interference

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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

Application range

Industrial machinery and machine tools

Very suitable for oily wet areas within machine tools and transfer 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-resistant and notch-resistant

Halogen-free and flame-retardant (IEC 60332-1-2)

Resistant to hydrolysis and microbes

Flexible at cold temperatures

Norm references / approvals

VDE reg. no. 6582

Design

Fine-wire, tin-plated copper conductor

Core insulation made of TPE

Cores twisted in layers

Inner sheath made of TPE

Tin-plated copper braiding

Special polyurethane sheath (PUR)

Sheath colour: Silver grey (RAL 7001)

Technical Data

Classification:	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Core identification code:	Black with white numbers acc. to VDE 0293-1
Conductor design:	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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Note

Unless otherwise specified, the product values shown are nominal values. You can receive further values, such as tolerances, upon request if they are available and have been released for publication.

Copper price basis: EUR 150/100 kg; see catalogue appendix T17 for the application and definition of "Metal price basis" and "Metal index"

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Packaging: Ring ≤ 30 kg or ≤ 250 m, otherwise drum

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

Photographs 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.

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Article number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® 440 CP				
0012901	3 G 0.5	8.3	44	100
0012902	4 G 0.5	8.8	52	120
0012903	5 G 0.5	9.7	61	139
0012904	7 G 0.5	11.2	75	175
0012906	12 G 0.5	13.7	131	276
0012907	18 G 0.5	15.7	168	376
0012908	25 G 0.5	18.5	212	485
0012911	2 X 0.75	8.4	45	104
0012912	3 G 0.75	8.7	52	119
0012913	4 G 0.75	9.5	67	126
0012914	5 G 0.75	10.2	75	165
0012915	7 G 0.75	11.9	96	210
0012917	12 G 0.75	14.5	160	331
0012919	25 G 0.75	20.3	283	596
0012925	2 X 1	8.7	49	117
0012926	3 G 1	9.3	60	132
0012927	4 G 1	9.9	78	163
0012928	5 G 1	10.8	88	187
0012929	7 G 1	12.8	115	255
0012931	12 G 1	15.4	201	419
0012932	18 G 1	17.7	267	546
0012933	25 G 1	21.5	351	738
0012934	34 G 1	23.8	498	972
0012940	2 X 1.5	9.5	68	122
0012941	3 G 1.5	9.9	83	140
0012942	4 G 1.5	10.8	102	170
0012943	5 G 1.5	11.6	119	200
0012944	7 G 1.5	14.2	186	290
0012945	12 G 1.5	16.8	264	423
0012946	18 G 1.5	20	379	616
0012947	25 G 1.5	23.5	534	804
0012949	41 G 1.5	28.9	803	1360
0012950	3 G 2.5	11.4	121	194

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Article number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
0012951	4 G 2.5	12.6	145	307
0012952	5 G 2.5	14	205	413
0012953	7 G 2.5	16.4	259	533
0012954	12 G 2.5	20.1	407	795

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