

ÖLFLEX® 440 P

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

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

Info

Flexible at temperatures down to -40 °C

Halogen-free and flame-retardant

VDE-tested and registered



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

VDE-tested characteristics

ÖLFLEX® 440 P

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 temperatures down to -40 °C

Norm references / approvals

VDE reg. no. 6582

Design

Fine-wire, tin-plated copper conductor

Core insulation made of TPE

Cores twisted in layers

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: 12.5 x outer diameter Fixed installation: 4 x outer 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 P				
0012800	2 X 0.5	5.8	10	39
0012801	3 G 0.5	6.1	14	46
0012802	4 G 0.5	6.6	19	53
0012803	5 G 0.5	7.3	24	65
0012804	7 G 0.5	8.8	34	92
0012805	12 G 0.5	10.9	58	149
0012806	18 G 0.5	12.9	86	207
0012807	25 G 0.5	15.7	120	274
0012813	2 X 0.75	6.2	14	48
0012814	3 G 0.75	6.5	22	53
0012815	4 G 0.75	7.1	29	67
0012816	5 G 0.75	8	36	81
0012817	7 G 0.75	9.7	50	119
0012818	12 G 0.75	11.7	86	193
0012819	18 G 0.75	14.1	130	269
0012820	25 G 0.75	17.1	180	378
0012825	2 X 1	6.5	19	57
0012826	3 G 1	6.9	29	61
0012827	4 G 1	7.7	38	82
0012828	5 G 1	8.4	48	107
0012829	7 G 1	10.2	67	138
0012830	12 G 1	12.6	115	215
0012831	18 G 1	14.9	173	328
0012832	25 G 1	18.1	240	479
0012833	34 G 1	20.6	326	616
0012834	41 G 1	22.4	394	727
0012837	2 X 1.5	7.1	29	73
0012838	3 G 1.5	7.5	43	96
0012839	4 G 1.5	8.4	58	105
0012840	5 G 1.5	9.4	72	133
0012841	7 G 1.5	11.4	101	175
0012842	12 G 1.5	14	173	309
0012843	18 G 1.5	16.6	259	458

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Product Management www.lappkabel.deYou can find the current technical data in the corresponding data sheet.
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Article number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
0012844	25 G 1.5	20.1	360	635
0012846	41 G 1.5	25.1	590	1003
0012850	3 G 2.5	9.2	72	142
0012851	4 G 2.5	10	96	184
0012852	5 G 2.5	11.2	120	220
0012853	7 G 2.5	13.8	168	294
0012854	12 G 2.5	16.9	288	489

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