

ÖLFLEX® 491 P

Abrasion- and oil-resistant PUR control cable for increased application requirements - certified for North America

ÖLFLEX® 491 P - PUR control cable for oil and abrasion resistant use in industrial machine tools and appliances in North America with UL/cUL certification

Info

For the North American market

High oil-resistance

Discontinued product -

Will be substituted of ÖLFLEX® 409 P



Oil-resistant



Mechanical resistance

Benefits

Certified for the USA and Canada for export-oriented machine, appliance and apparatus manufacturers

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

Metric flexible conductor design

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

Application range

Appliance and apparatus construction

Plant engineering

Very suitable for oily wet areas within machinery and production lines that are subject to normal mechanical stress

Outdoor use is possible within the indicated operating temperature range

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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® 491 P

Product features

High oil-resistance
Abrasion and notch-resistant
Low-adhesive surface
Flame-retardant according to IEC 60332-1-2 & CSA FT1
Resistant to hydrolysis and microbes

Norm references / Approvals

In accordance with UL AWM Style 20234

cUL AWM II A/B FT1

Multi-standard cables have conductor strands with nominal sizes in mm² or AWG/kcmil. The master size is mentioned in the table below, while the equivalent size of the other system can be found in the Appendix T16 of this catalogue. For this related secondary size the cross-section of the conductor mostly works out to be greater than the specified nominal value.

Product Make-up

Fine-wire, bare copper conductor
Core insulation: special PVC
Cores twisted in layers
Special polyurethane outer sheath (PUR)
Sheath colour: Grey (similar RAL 7001)
DESINA®: black (similar RAL 9005)

Technical Data

Classification ETIM 5:	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 stranding:	Fine wire according to VDE 0295, class 5/IEC 60228 class 5
Minimum bending radius:	Occasional flexing: 15 x outer diameter Fixed installation: 4 x outer diameter
Nominal voltage:	HAR U0/U: 300/500 V UL/CSA: 600 V
Test voltage:	4000 V
Protective conductor:	G = with GN-YE protective conductor X = without protective conductor
Temperature range:	Flexible use: -5°C to 80°C Fixed installation: -40°C to 80°C

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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).

DESINA® is a registered trademark of the German Machine Tool Builders' Association

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.

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Article number	Number of cores and mm² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® 491 P - sheath colour: black				
0013009	3 G 1.0	7.7	28.8	73
0013017	3 G 1.5	8.3	43.2	100
0013018	4 G 1.5	9	57.6	123
0013019	5 G 1.5	9.8	72	150
0013020	7 G 1.5	10.7	100.8	197
0013021	12 G 1.5	13.8	172.8	344
0013023	25 G 1.5	20	360	682
0013024	3 G 2.5	9.2	72	152
0013025	4 G 2.5	9.9	96	200
ÖLFLEX® 491 P - sheath colour: grey				
0013208	2 X 1.0	7.3	19.2	62
0013210	4 G 1.0	8.2	38.4	89
0013212	7 G 1.0	9.7	67.2	138
0013213	12 G 1.0	12.5	115.2	232
0013214	18 G 1.0	14.8	172.8	340
0013215	25 G 1.0	17.8	240	454
0013223	3 G 1.5	8.3	43.2	100
0013220	4 G 1.5	9	57.6	123
0013222	7 G 1.5	10.7	100.8	197
0013225	12 G 1.5	13.8	172.8	344
0013226	18 G 1.5	16.6	259.2	488
0013227	25 G 1.5	20	360	682

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