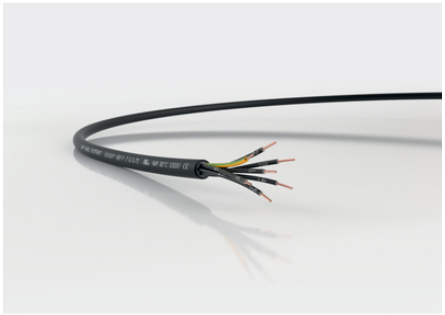
ÖLFLEX® 409 P

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

ÖLFLEX® 409 P - PUR control cable for oil and abrasion resistant use in industrial machine tools and appliances in North America with UL/cUL certification

Info

Oil resistant and abrasion-proof
UL/cUL certified for North America
Easy jacket stripping thanks to interstice-filling functional layer





Mechanical resistance

Oil-resistant

UV-resistant

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
Interstice-filling functional layer ensures more saftey and efficiency during industrial and manual jacket stripping
Certified for the USA and Canada for export-oriented machine, appliance and apparatus manufacturers
Good combination of quality and price

Application range

Appliance and apparatus construction
Industrial machinery and machine tools
Measurement, control and electrical applications
Very suitable for oily wet areas within machinery and production lines that are subject to normal mechanical stress
Under consideration of the temperature range also suitable for outdoor use

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Product features

High oil-resistance
Flammability:
UL/CSA: VW-1, FT1
IEC/EN: 60332-1-2
Abrasion and notch-resistant
UV-resistant according to ISO 4892-2
Resistant to hydrolysis and microbes

Norm references / Approvals

UL File No. E63634
UL AWM Style 20234
cUL AWM I/II A/B FT1

Product Make-up

Fine-wire, bare copper conductor
Core insulation: special PVC
Cores twisted in layers
Special outer sheath of polyurethane with interstice-filling functional layer
Sheath colour: black (similar RAL 9005)

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:	Flexible use: 12.5 x outer diameter Fixed installation: 4 x outer diameter
Nominal voltage:	U0/U: 300/500 V UL/CSA: 1000 V
Test voltage:	4000 V
Protective conductor:	G = with GN-YE protective conductor X = without protective conductor
Temperature range:	Occasional flexing: -5 °C to +70 °C (UL: +80 °C) Fixed installation: -40 °C to +80 °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 ≤ 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).
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)
1311852	2 X 0.75	6.7	14.4	61
1311103	3 G 0.75	7.0	21.6	71
1311104	4 G 0.75	7.5	28.8	84
1311105	5 G 0.75	8.1	36	100
1311107	7 G 0.75	8.7	50.4	122
1311110	10 G 0.75	10.6	72	180
1311112	12 G 0.75	10.9	86.4	198
1311118	18 G 0.75	12.6	129.6	275
1311125	25 G 0.75	14.3	180	364
1311902	2 X 1.0	7.0	19.2	69
1311203	3 G 1.0	7.3	28.8	81
1311204	4 G 1.0	7.8	38.4	97
1311205	5 G 1.0	8.5	48	117
1311207	7 G 1.0	9.0	67.2	142
1311210	10 G 1.0	11.2	96	212
1311212	12 G 1.0	11.5	115.2	234
1311218	18 G 1.0	13.3	172.8	327
1311225	25 G 1.0	15.2	240	437
1311952	2 X 1.5	7.6	28.8	87
1311303	3 G 1.5	8.0	43.2	104
1311304	4 G 1.5	8.6	57.6	126
1311305	5 G 1.5	9.3	72	151
1311307	7 G 1.5	10.0	100.8	188
1311312	12 G 1.5	12.8	172.8	314
1311318	18 G 1.5	14.8	259.2	441
1311325	25 G 1.5	17.2	360	596
1311403	3 G 2.5	9.3	72	151
1311404	4 G 2.5	10.0	96	184
1311405	5 G 2.5	10.9	120	224
1311407	7 G 2.5	11.8	168	282
1311412	12 G 2.5	15.3	288	480
1311504	4 G 4.0	11.6	153.6	266
1311505	5 G 4.0	12.7	192	325
1311604	4 G 6.0	13.4	230.4	359

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Article number	Number of cores and mm² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
1311605	5 G 6.0	14.7	288	438
1311704	4 G 10.0	17.0	384	585
1311705	5 G 10.0	18.7	480	722
1311804	4 G 16.0	19.6	614.4	861
1311805	5 G 16.0	22.2	768	1107

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