



ÖLFLEX® 409 CP

Screened, abrasion- and oil-resistant PUR control cable for increased application requirements - certified

LAPP KABEL STUTTGART ÖLFLEX® 409 CP AWM CE



Info

- Oil resistant and abrasion-proof
- UL/cUL certified for North America
- EMC compliant copper screening

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
- Certified for the USA and Canada for export-oriented machine, appliance and apparatus manufacturers
- Copper braiding screens the cable against electromagnetic interference

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

Product features

- High oil-resistance
- Flame-retardant
- Abrasion and notch-resistant
- UV-resistant according to ISO 4892-2
- Resistant to hydrolysis and microbes

Norm references / Approvals

- UL AWM Style 20234
- CUL AWM I/II A/B
- UL File No. E63634

Product Make-up

- Fine-wire, bare copper conductor
- Core insulation: special PVC
- Cores twisted in layers
- Plastic foil wrapping
- Tinned-copper braiding
- Special polyurethane outer sheath (PUR)
- Sheath colour: black (similar RAL 9005)

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000104
ETIM 5.0/6.0 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: 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

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® 409 CP				
1321852	2 X 0.75	7.0	29	75
1321103	3 G 0.75	7.3	37	89
1321104	4 G 0.75	7.8	44	104
1321105	5 G 0.75	8.4	53	120
1321107	7 G 0.75	9.0	67	146
1321110	10 G 0.75	10.9	94	196
1321112	12 G 0.75	11.2	107	219
1321118	18 G 0.75	12.9	152	298
1321125	25 G 0.75	14.8	200	387
1321902	2 X 1.0	7.3	34	84
1321203	3 G 1.0	7.6	43	99
1321204	4 G 1.0	8.1	53	116
1321205	5 G 1.0	8.8	64	137
1321207	7 G 1.0	9.4	83	167
1321210	10 G 1.0	11.5	116	228
1321212	12 G 1.0	11.8	133	255
1321218	18 G 1.0	13.8	191	355
1321225	25 G 1.0	15.7	272	474
1321952	2 X 1.5	7.9	43	99

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
1321303	3 G 1.5	8.3	57	119
1321304	4 G 1.5	8.9	71	143
1321305	5 G 1.5	9.6	85	167
1321307	7 G 1.5	10.3	112	207
1321312	12 G 1.5	13.3	182	326
1321318	18 G 1.5	15.3	277	464
1321325	25 G 1.5	17.5	375	609
1321403	3 G 2.5	9.6	86	166
1321404	4 G 2.5	10.3	110	203
1321405	5 G 2.5	11.2	134	243
1321407	7 G 2.5	12.1	178	305
1321412	12 G 2.5	15.8	311	503
1321504	4 G 4.0	11.9	163	276
1321505	5 G 4.0	13.2	199	340
1321604	4 G 6.0	13.4	232	368
1321605	5 G 6.0	14.7	284	450
1321704	4 G 10.0	16.8	397	644
1321705	5 G 10.0	18.7	486	785
1321804	4 G 16.0	19.6	639	931
1321805	5 G 16.0	22.4	786	1142

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.