

ÖLFLEX® CHAIN 808 CP

Highly flexible, screened control cable with PVC core insulation and abrasion and oil resistant PUR sheath

ÖLFLEX® CHAIN 808 CP - Highly flexible, screened control cable with PVC core insulation and abrasion and oil resistant PUR outer sheath

Info

Basic Line for light & ordinary duty in power chain applications
Good oil resistance



CE



UV-resistant



Interference signals



Power chain



Oil-resistant



Mechanical resistance

Benefits

Good combination of quality and price

Compact design

Thin and light, without inner sheath

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

Copper braiding screens the cable against electromagnetic interference

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Application range

In power chains or moving machine parts
In EMC-sensitive environments
Particularly in wet areas of machine tools and transfer lines
Suitable for use in measuring, control and regulating circuits
In dry, damp or wet interiors

Product features

Designed for 2 million alternating bending cycles and travel distances up to 10 meter
High oil-resistance
Abrasion and notch-resistant
Low-adhesive surface

Norm references / Approvals

Based on EN 50525-2-21
For use in power chains: Please comply with assembly guideline Appendix T3

Product Make-up

Fine-wire, bare copper conductor
Core insulation: PVC
Cores twisted in layers
Non-woven wrapping
Tinned-copper braiding
PUR outer sheath, 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 stranding:	Fine wire according to VDE 0295 Class 5/ IEC 60228 Class 5
Minimum bending radius:	For flexible use: Chains in self-supporting non-gliding arrangements: 10 x outer diameter In chains in gliding arrangements: 12 x outer diameter Fixed installation: 4 x outer diameter
Nominal voltage:	U0/U: 300/500 V
Test voltage:	Core/core: 4000 V Core/screen: 2000 V
Protective conductor:	G = with GN-YE protective conductor X = without protective conductor
Temperature range:	Flexing: -5°C to +70°C Fixed installation: -40°C to +80°C
Bending cycles:	2 mio. cycles

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Note

Unless specified otherwise, the shown product values are nominal values at room temperature. Detailed values (e.g. tolerances) are available upon request.

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).

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)
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1027751	2 X 0.5	5.8	36	45
1027752	3 G 0.5	6.1	43	59
1027753	4 G 0.5	6.6	49	83
1027754	5 G 0.5	7.1	57	96
1027755	7 G 0.5	8.5	69	136
1027756	12 G 0.5	10	104	200
1027757	18 G 0.5	11.8	141	275
1027758	25 G 0.5	14.1	211	350
1027759	2 X 0.75	6.2	43	56
1027760	3 G 0.75	6.6	52	70
1027761	4 G 0.75	7.1	61	95
1027762	5 G 0.75	7.7	72	130
1027763	7 G 0.75	9.1	89	168
1027764	12 G 0.75	10.9	138	232
1027765	18 G 0.75	13	211	315
1027766	25 G 0.75	15.6	280	435
1027767	2 X 1	6.5	51	84
1027768	3 G 1	6.9	62	110
1027769	4 G 1	7.5	74	130
1027770	5 G 1	8.3	88	156
1027771	7 G 1	9.8	112	192
1027772	12 G 1	11.7	185	285
1027773	18 G 1	14	268	395
1027774	25 G 1	16.7	354	656
1027775	2 X 1.5	7.1	65	97
1027776	3 G 1.5	7.5	82	125
1027777	4 G 1.5	8.4	100	165
1027778	5 G 1.5	9.1	119	193
1027779	7 G 1.5	10.9	154	245
1027780	12 G 1.5	13.3	268	365
1027781	18 G 1.5	15.7	373	553
1027782	25 G 1.5	18.7	530	734
1027783	3 G 2.5	9	118	188

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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)
1027784	4 G 2.5	10.1	147	236
1027785	7 G 2.5	13.5	253	340
1027788	4 G 4	11.9	248	305

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