

## ÖLFLEX® CHAIN 808 P

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

ÖLFLEX® CHAIN 808 P - Highly flexible 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



UV-resistant



Power chain



Oil-resistant



Mechanical resistance

### Benefits

Good combination of quality and price

Compact design

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

### Application range

In power chains or moving machine parts

Particularly in wet areas of machine tools and transfer lines

Suitable for use in measuring, control and regulating circuits

Assembly lines, production lines, in all kinds of machines

In dry, damp or wet interiors

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### 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  
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
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

### Note

Unless specified otherwise, the shown product values are nominal values at room temperature. 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](http://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 <sup>2</sup> per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® CHAIN 808 P				
1027700	2 X 0.5	5.2	10	40
1027701	3 G 0.5	5.5	15	48
1027702	4 G 0.5	6	20	58
1027703	5 G 0.5	6.5	24	67
1027704	7 G 0.5	7.7	34	88
1027705	12 G 0.5	9.2	58	136
1027706	18 G 0.5	11	87	195
1027707	25 G 0.5	13.3	120	274
1027708	2 X 0.75	5.6	15	49
1027709	3 G 0.75	6	22	60
1027710	4 G 0.75	6.5	29	73
1027711	5 G 0.75	7.1	37	86
1027712	7 G 0.75	8.5	51	117
1027713	12 G 0.75	10.3	87	181
1027714	18 G 0.75	12.2	130	259
1027715	25 G 0.75	14.8	181	363
1027716	2 X 1	5.9	19	58
1027717	3 G 1	6.3	29	72
1027718	4 G 1	6.9	39	88
1027719	5 G 1	7.5	48	104
1027720	7 G 1	9	67	142
1027721	12 G 1	10.9	115	221
1027722	18 G 1	13.2	173	324
1027723	25 G 1	15.7	240	445
1027724	2 X 1.5	6.5	29	74
1027725	3 G 1.5	6.9	43.2	93
1027726	4 G 1.5	7.6	58	114
1027727	5 G 1.5	8.5	72	139
1027728	7 G 1.5	10.3	101	189
1027729	12 G 1.5	12.3	173	295
1027730	18 G 1.5	14.9	259	429
1027731	25 G 1.5	17.9	360	597
1027732	3 G 2.5	8.4	72	145

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Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
1027733	4 G 2.5	9.3	96	179
1027734	7 G 2.5	12.7	168	218
1027737	4 G 4	11.1	160	266

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