

## 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

## ÖLFLEX® CHAIN 808 CP

### 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

## ÖLFLEX® CHAIN 808 CP

### 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](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.

Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter [mm]	Copper index (kg/km)
ÖLFLEX® CHAIN 808 CP			
1027751	2 X 0.5	5.8	36
1027752	3 G 0.5	6.1	43
1027753	4 G 0.5	6.6	49
1027754	5 G 0.5	7.1	57
1027755	7 G 0.5	8.5	69
1027756	12 G 0.5	10	104
1027757	18 G 0.5	11.8	141
1027758	25 G 0.5	14.1	211
1027759	2 X 0.75	6.2	43
1027760	3 G 0.75	6.6	52
1027761	4 G 0.75	7.1	61
1027762	5 G 0.75	7.7	72
1027763	7 G 0.75	9.1	89
1027764	12 G 0.75	10.9	138
1027765	18 G 0.75	13	211
1027766	25 G 0.75	15.6	280
1027767	2 X 1	6.5	51
1027768	3 G 1	6.9	62
1027769	4 G 1	7.5	74
1027770	5 G 1	8.3	88
1027771	7 G 1	9.8	112
1027772	12 G 1	11.7	185
1027773	18 G 1	14	268
1027774	25 G 1	16.7	354
1027775	2 X 1.5	7.1	65
1027776	3 G 1.5	7.5	82
1027777	4 G 1.5	8.4	100
1027778	5 G 1.5	9.1	119
1027779	7 G 1.5	10.9	154
1027780	12 G 1.5	13.3	268
1027781	18 G 1.5	15.7	373
1027782	25 G 1.5	18.7	530
1027783	3 G 2.5	9	118

Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter [mm]	Copper index (kg/km)
1027784	4 G 2.5	10.1	147
1027785	7 G 2.5	13.5	253
1027788	4 G 4	11.9	248

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