



Info

- Basic Line for light & ordinary duty in power chain applications
- EMC-compliant

ÖLFLEX® CHAIN 808 CP
Screened, PVC-insulated, numbered, PUR sheath



Benefits

- Good combination of quality and price
- Compact design
- Various applications

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

- Low-adhesive surface
- Oil-resistant
- Designed for 1...2 million bending/unbending cycles in the power chain

Norm references / Approvals

- Based on EN 50525-2-21
- For travel distances up to 10 m.
- For use in power chains: Please comply with the assembly guidelines listed in Appendix T3

Product make-up

- Fine-wire strand made of bare copper wires
- Core insulation: PVC
- Cores twisted in layers
- Non-woven wrapping
- Tinned-copper braiding
- 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

Specific insulation resistance
> 20 GOhm x cm

Conductor stranding
Fine wire according to VDE 0295 Class 5 / IEC 60228 Class 5

Minimum bending radius
For flexible applications:
Chains in self supporting non-gliding arrangements: 10 x outside diameter
Chains in gliding arrangements: 12 x outside 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

Article number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
1027751	2 X 0.5	5.8	36.0	45
1027752	3 G 0.5	6.1	43.0	59
1027753	4 G 0.5	6.6	49.0	83
1027754	5 G 0.5	7.1	57.0	96
1027755	7 G 0.5	8.5	69.0	136
1027756	12 G 0.5	10.0	104.0	200
1027757	18 G 0.5	11.8	141.0	275
1027758	25 G 0.5	14.1	211.0	350
1027759	2 X 0.75	6.2	43.0	56
1027760	3 G 0.75	6.6	52.0	70
1027761	4 G 0.75	7.1	61.0	95
1027762	5 G 0.75	7.7	72.0	130
1027763	7 G 0.75	9.1	89.0	168
1027764	12 G 0.75	10.9	138.0	232
1027765	18 G 0.75	13.0	211.0	315
1027766	25 G 0.75	15.6	280.0	435
1027767	2 X 1.0	6.5	51.0	84
1027768	3 G 1.0	6.9	62.0	110

Article number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
1027769	4 G 1.0	7.5	74.0	130
1027770	5 G 1.0	8.3	88.0	156
1027771	7 G 1.0	9.8	112.0	192
1027772	12 G 1.0	11.7	185.0	285
1027773	18 G 1.0	14.0	268.0	395
1027774	25 G 1.0	16.7	354.0	656
1027775	2 X 1.5	7.1	65.0	97
1027776	3 G 1.5	7.5	82.0	125
1027777	4 G 1.5	8.4	100.0	165
1027778	5 G 1.5	9.1	119.0	193
1027779	7 G 1.5	10.9	154.0	245
1027780	12 G 1.5	13.3	268.0	365
1027781	18 G 1.5	15.7	373.0	553
1027782	25 G 1.5	18.7	530.0	734
1027783	3 G 2.5	9.0	118.0	188
1027784	4 G 2.5	10.1	147.0	236
1027785	7 G 2.5	13.5	253.0	340
1027788	4 G 4	11.9	248.0	305

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
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 are not to scale and do not represent detailed images of the respective products.

Similar products

- ÖLFLEX® CLASSIC FD 810 CP refer to page 119

Accessories

- SKINTOP® MS-M BRUSH refer to page 675
- SILVYN® CHAIN cable protection and guiding systems