


U.I. Lapp GmbH	PRODUCT INFORMATION	
	ÖLFLEX® CHAIN 809 CY	29.11.2013

Screened, PVC-insulated, numbered, PVC sheath, approved
 Good combination of quality and price
 Compact design



Oil-resistant



Power chain



Interference signals



Torsion-resistant

Info

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

Application range

In power chains or moving machine parts
 In EMC-sensitive environments
 Suitable for use in measuring, control and regulating circuits
 Wiring of machines, tools, devices, appliances and control cabinets
 Only for outdoor use within the indicated operating temperature range, with UV-protection

Design

Fine copper wire strands
 Core insulation: PVC
 Cores twisted in layers
 Non-woven wrapping
 Tinned-copper braiding
 Non-woven wrapping
 PVC outer sheath, grey (RAL 7001)

Norm references / Approvals

cUL AWM II A/B FT1
 UL-AWM-Style 20886
 For travel distances up to 10 m.
 For use in power chains: Please comply with the assembly guidelines listed in Appendix T3
 UL File No. E63634

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Product features

Low-adhesive surface

Designed for 1...2 million bending/unbending cycles in the power chain

Flame retardancy: UL/CSA: VW-1, FT1IEC/EN: 60332-1-2

Oil-resistant according to DIN EN 50290-2-22 (TM54)

Suitable for torsional applications which are typical for the loop in wind turbine generators (WTG)

Remark

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 100 m; Drum (500; 1000) m

Photographs are not to scale and do not represent detailed images of the respective products.

Technical Data

Core identification code:	Black with white numbers acc. to VDE 0293-1
Classification:	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Specific insulation resistance:	> 20 GOhm x cm
Conductor stranding:	Fine wire according to VDE 0295 Class 5/ IEC 60228 Class 5
Torsion movement in WTG:	TW-0 & TW-1, refer to Appendix T0
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:	VDE: U ₀ /U: 300/500 V UL & CSA: 1000 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: VDE 0 °C to +70 °C UL 0 °C to +80 °C Fixed installation: VDE -40 °C to +70 °C UL/CSA -40 °C to +80 °C

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Part number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
1026751	2 X 0,5	5.8	36.0	45
1026752	3 G 0,5	6.1	43.0	59
1026753	4 G 0,5	6.6	49.0	83
1026754	5 G 0,5	7.1	57.0	96
1026755	7 G 0,5	8.5	69.0	136
1026756	12 G 0,5	10.0	104.0	200
1026757	18 G 0,5	11.8	141.0	275
1026758	25 G 0,5	14.1	211.0	350
1026759	2 X 0,75	6.2	43.0	56
1026760	3 G 0,75	6.6	52.0	70
1026761	4 G 0,75	7.1	61.0	95
1026762	5 G 0,75	7.7	72.0	130
1026763	7 G 0,75	9.1	89.0	168
1026764	12 G 0,75	10.9	138.0	232
1026765	18 G 0,75	13.0	211.0	315
1026766	25 G 0,75	15.6	280.0	435
1026767	2 X 1,0	6.5	51.0	84
1026768	3 G 1,0	6.9	62.0	110
1026769	4 G 1,0	7.5	74.0	130
1026770	5 G 1,0	8.3	88.0	156
1026771	7 G 1,0	9.8	112.0	192
1026772	12 G 1,0	11.7	185.0	285
1026773	18 G 1,0	14.0	268.0	395
1026774	25 G 1,0	16.7	354.0	486
1026775	2 X 1,5	7.1	65.0	97
1026776	3 G 1,5	7.5	82.0	125
1026777	4 G 1,5	8.4	100.0	165
1026778	5 G 1,5	9.1	119.0	193
1026779	7 G 1,5	10.9	154.0	245
1026780	12 G 1,5	13.3	268.0	365
1026781	18 G 1,5	15.7	373.0	553
1026782	25 G 1,5	18.7	530.0	734
1026783	3 G 2,5	9.0	118.0	188
1026784	4 G 2,5	10.1	147.0	236



Part number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
1026785	7 G 2,5	13.5	253.0	340
1026788	4 G 4	11.9	248.0	305