

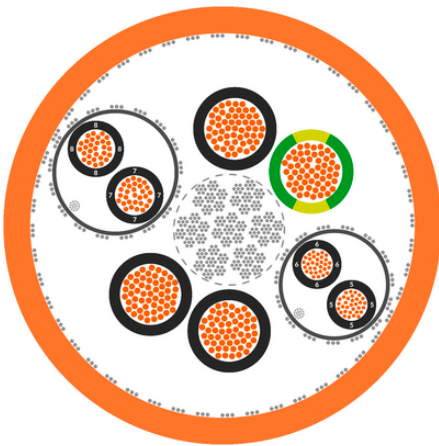
## ÖLFLEX® SERVO 719 CY

Screened, low capacitive servo cable with PVC outer sheath for static use - certified for North America

ÖLFLEX® SERVO 719 CY - Screened, low capacitive servo cable for fixed installation or occasional flexing with UL/cUL AWM certification

### Info

Successor of ÖLFLEX® SERVO 700 CY and ÖLFLEX® SERVO 709 CY  
Low-capacitance design  
Product range extension



Oil-resistant



Interference signals

### Benefits

Suitable for use with servomotor product lines from leading drive manufacturers  
Longer cable installation lengths thanks to low mutual capacitance cable design  
Multi-standard certification reduces part varieties and saves costs  
Space and weight-saving installations due to small cable diameters  
Copper braiding screens the cable against electromagnetic interference

### Application range

Connecting cable between servo controller and motor  
For static and occasionally flexible use  
Plant engineering  
Industrial machinery and machine tools  
Printing machines

### Product features

Low capacitance

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## ÖLFLEX® SERVO 719 CY

Flammability:  
UL/CSA: VW-1, FT1  
IEC/EN: 60332-1-2  
Oil-resistant  
EMC-compliant

### Norm references / Approvals

USA: UL AWM Style 2570  
Canada: cUL AWM Style I/II A/B FT1  
UL File No. E63634

### Product Make-up

Fine-wire, bare copper conductor  
Core insulation: polypropylene (PP)  
Individual design depending on the item:  
Power cores without or with one or two individually shielded control core pairs twisted together in short lay lengths;  
Power cores with control core triplet twisted together in short lay lengths  
Tinned copper screen braiding  
PVC outer sheath, orange (RAL 2003)

### Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC000104 ETIM 6.0 Class-Description: Control cable
Core identification code:	Power cores: black with marking U/L1/C/L+; V/L2; W/L3/D /L-; GN/YE protective conductor Single-paired versions: individual design depending on the item black; white or brown; white Double-paired versions: black with white numbers 5; 6; 7; 8 0.34 mm <sup>2</sup> pairs: WH/BN/GN/YE Triplet: black with white numbers 1; 2; 3
Conductor stranding:	Fine wire according to VDE 0295 Class 5/ IEC 60228 Class 5
Minimum bending radius:	Occasional flexing: 15 x outer diameter Fixed installation: 6 x outer diameter
Nominal voltage:	Power cores and control cores: IEC U0/U: 600/1000 V UL & CSA: 1000 V
Test voltage:	Core/Core: 4 kV Core/Screen: 4 kV
Protective conductor:	G = with GN-YE protective conductor
Temperature range:	Occasional flexing: -5°C to +70°C (UL: +80°C) Fixed installation: -40°C to +80°C

### Note

Unless specified otherwise, the shown product values are nominal values. 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.

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## ÖLFLEX® SERVO 719 CY

Please find our standard lengths at: [www.lappkabel.de/en/cable-standardlengths](http://www.lappkabel.de/en/cable-standardlengths)

Photographs and graphics 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.



## ÖLFLEX® SERVO 719 CY

Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter (mm) approx.	Copper index (kg/km)	Weight (kg/km)
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1020010	4 G 1,5	8.4	83	130
1020011	4 G 2,5	9.9	125	190
1020012	4 G 4	11.7	191	273
1020013	4 G 6	13.7	290	394
1020014	4 G 10	16.7	452	581
1020015	4 G 16	20.1	721	884
1020016	4 G 25	24.3	1100	1348
1020017	4 G 35	27.7	1548	1840
1020018	4 G 50	33.7	2151	2645
1020040	4 G 0,75 + (2 x 0,5)	8.9	78	159
1020041	4 G 1 + (2 x 0,5)	9.3	88	147
1020044	4 G 1 + (2 x 1,0)	10.2	107	204
1020042	4 G 1,5 + (2 x 0,5)	10.3	111	180
1020045	4 G 1,5 + (2 x 1,0)	10.8	130	230
1020053	4 G 1,5 + (3 x 1,0)	11.5	145	225
1020019	4 G 1,5 + (2 x 1,5)	11.5	146	242
1020043	4 G 2,5 + (2 x 0,5)	11.7	158	247
1020046	4 G 2,5 + (2 x 1,0)	12.1	173	293
1020054	4 G 2,5 + (3 x 1,0)	12.9	188	290
1020020	4 G 2,5 + (2 x 1,5)	12.9	189	306
1020047	4 G 4 + (2 x 1,0)	14.3	250	373
1020055	4 G 4 + (3 x 1,0)	14.8	270	402
1020021	4 G 4 + (2 x 1,5)	15	271	420
1020048	4 G 6 + (2 x 1,0)	16.0	334	485
1020022	4 G 6 + (2 x 1,5)	17	351	529
1020056	4 G 6 + (3 x 1,5)	17.0	370	537
1020049	4 G 10 + (2 x 1,0)	18.8	526	712
1020023	4 G 10 + (2 x 1,5)	19.5	540	752
1020057	4 G 10 + (3 x 1,5)	19.5	559	758
1020050	4 G 16 + (2 x 1,0)	22.3	772	991
1020051	4 G 16 + (2 x 1,5)	22.5	785.2	999
1020058	4 G 16 + (3 x 1,5)	23.0	805	1151
1020052	4 G 25 + (2 x 1,5)	26.1	1,184.9	1459

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Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter (mm) approx.	Copper index (kg/km)	Weight (kg/km)
1020059	4 G 35 + (2 x 1,5)	30.4	1,598.1	1971
1020085	4 G 50 + (2 x 1,5)	34.0	2,205.2	2713
1020024	4 G 0,75 + 2 x (2 x 0,34)	9.7	99	163
1020035	4 G 1 + 2 x (2 x 0,75)	11.3	126.4	207
1020025	4 G 1,5 + 2 x (2 x 0,75)	12.3	150	245
1020026	4 G 2,5 + 2 x (2 x 1,0)	14.7	223	357
1020027	4 G 4 + 2 x (2 x 1,0)	16.4	288	452
1020028	4 G 4 + (2 x 1,0) + (2 x 1,5)	16.6	307	469
1020029	4 G 6 + (2 x 1,0) + (2 x 1,5)	18.5	421	617
1020030	4 G 10 + (2 x 1,0) + (2 x 1,5)	22.1	588	852
1020031	4 G 16 + 2 x (2 x 1,5)	25	876	1162
1020032	4 G 25 + 2 x (2 x 1,5)	28.7	1227	1590
1020033	4 G 35 + 2 x (2 x 1,5)	30.6	1652	2023
1020034	4 G 50 + 2 x (2 x 2,5)	37	2264	2876

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