

## ÖLFLEX® SERVO 719 CY

Shielded, low capacitive servo cable with PVC sheath for fixed installation - certified for North America

ÖLFLEX® SERVO 719 CY – shielded 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

EMC-compliant



Interference signals



Oil-resistant

### Benefits

Suitable for use with servomotor systems from leading drive manufacturers

Longer installation lengths thanks to low capacitance cable design

Multi-standard certification reduces part varieties and saves costs

Space and weight-saving installation due to small cable diameters

Copper braiding complies with EMC requirements and screens the cable against electromagnetic interference

### Application range

Connecting cable between servo controller and motor

For fixed installation and applications with occasional movements

Plant construction

Industrial machinery and machine tools

Printing machines

## ÖLFLEX® SERVO 719 CY

### Product features

Low capacitance  
Flame retardance:  
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

### Design

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  
Tin-plated copper braiding  
PVC sheath, orange (RAL 2003)

### Technical Data

Classification:	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 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 design:	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 U <sub>0</sub> /U: 600/1000 V UL & CSA: 1000 V
Test voltage:	Core/Core: 4 kV Core/Shield: 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

## ÖLFLEX® SERVO 719 CY

### Note

Unless otherwise specified, the product values shown are nominal values. You can receive further values, such as tolerances, upon request if they are available and have been released for publication.

Copper price basis: EUR 150/100 kg; see catalogue appendix T17 for the application and definition of "Metal price basis" and "Metal index"

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

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.

**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)
ÖLFLEX® SERVO 719 CY				
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	334	485
1020022	4 G 6 + (2 x 1,5)	17	351	529
1020056	4 G 6 + (3 x 1,5)	17	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
1020058	4 G 16 + (3 x 1,5)	23	805	1151
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

Last Update (03.05.2017)

©2017 Lapp Group - Technical changes reserved

Product Management [www.lappkabel.de](http://www.lappkabel.de)You can find the current technical data in the corresponding data sheet.  
PN 0456 / 02\_03\_16

**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)
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

Last Update (03.05.2017)

©2017 Lapp Group - Technical changes reserved

Product Management [www.lappkabel.de](http://www.lappkabel.de)

You can find the current technical data in the corresponding data sheet.

PN 0456 / 02\_03.16