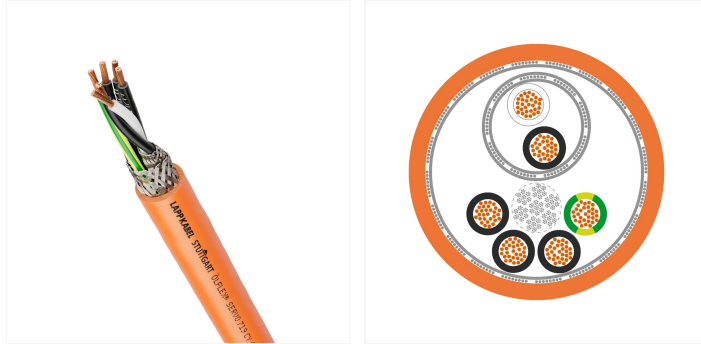


ÖLFLEX® SERVO 719 CY 4G4+(2x1,0)

Article No.: 1020047

Servo cable; 4G4+(2x1,0); U_0/U : 0,6/1 kV; PVC; Shielded; UL recognized; Flexible



Details

Benefits

- Compatible with servo drives from leading manufacturers.
- Ideal protection against electromagnetic interference thanks to copper shielding braiding with a high degree of coverage.
- Low-capacitance conductor insulation for long transmission paths.
- UL/CSA certification according to technical data enables the product to be used on the North American market.
- Product with multiple certifications enables universal use and reduces the variety of parts, thus guaranteeing logistics savings.
- Operating voltage of 1000 V according to UL, permitted for North America.
- The product is available both with and without control conductor pairs, e.g. for brakes and temperature sensors (one shielded control conductor pair or triple or two shielded control conductor pairs).

Application

- For connecting frequency converters and servo motors.
- For fixed installation and occasional flexing without tensile strain.
- Can be used in dry and damp rooms.
- Suitable for medium mechanical stress.
- The PVC outer jacket is resistant to acids and alkaline solutions and has limited oil resistance.

Notes

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

If applicable, the prices are solid metal prices without additional charges and VAT. Sales only to business customers.

Unless specified otherwise, the product values shown are rated values at room temperature. You can receive additional values, such as tolerances, upon request if they are available and have been released for publication.

The absence of PWIS raw materials does not protect against the potential risk of contamination with substances that interfere with the paint wetting during subsequent handling of the product(s) during transport, storage or further processing after delivery.

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Technical Data**General information**

Brand

ÖLFLEX®

Product type	Servo cable
Copper index	1679.75 lb/10000 ft
Industry segment	Assembly Machines Automotive Construction Machinery Energy Food & Beverage Healthcare & Pharma Intralogistics & Material handling Machine Tools Packaging Process Industry Robotics Ships & boats Solar

Electrical parameters

Nominal voltage power cores	U_0/U : 0,6/1 kV AC rms according to IEC
Nominal voltage control conductors	U_0/U : 0,6/1 kV AC rms according to IEC
Nominal voltage	U_0/U : 0,6/1 kV AC rms according to IEC
Rated voltage	1000 V AC rms according to UL AWM 1000 V AC rms according to cRU AWM
Test voltage conductor/conductor	4 kV
Test voltage conductor/shielding	4 kV
Current rating according to	VDE 0298-4

Product design

Conductor count/size	4G4+(2x1,0)
Compatible drive/feedback system	Lenze
Nominal cross section conductor (mm ²)	4 mm ²
Conductor material	Bare Copper
Conductor design	IEC 60228 class 5: fine-wire
Including protective ground	Yes

Number of cores	4
Number of pairs	1
Type of pair shielding	Tin-plated copper braiding
Cable element 1	Power conductor: 4G4
Cable element 2	Control pair: 1x(2x1), Shielding: Tin-plated copper braiding
Stranding type	Layered Stranding
Shielded	Yes
Type of overall shielding	Tin-plated copper braiding
Nominal outer diameter	0.563 in
Cable form	Round
Core insulation base material	Polypropylene
Conductor insulation basic material, short form	PP
Basic material of outer jacket	Polyvinylchloride
Base material of outer sheath, shortname	PVC
Outer jacket color	orange
Colour outer sheath RAL code	RAL 2003
Core identification	Alphanumeric and colours

Product features

Application area	Flexible Fixed Installation
Minimum bending radius, stationary	6 x outer diameter
Minimum bending radius in inch, fixed installation	3.378 in
Minimum bending radius, occasionally moved	15 x outer diameter
Minimum bending radius in mm, occasionally moved	8.445 in
Temperature, fixed installation	to 80 °C max. conductor temperature according to CSA AWM -40 °C to 80 °C max. conductor temperature according to IEC to 80 °C max. conductor temperature according to UL AWM

Temperature, occasionally moved	-5 °C to 70 °C max. conductor temperature according to IEC -5 °C to 80 °C max. conductor temperature according to CSA AWM -5 °C to 80 °C max. conductor temperature according to UL AWM
Flame-retardant	Yes
Flame retardance according to	IEC 60332-1-2 UL VW-1 CSA FT1
UV-resistant	No
Halogenfree	No
Oil resistant	Yes
Oil resistance according to	EN 50290-2-22: TM 54
PWIS-free	Yes
PWIS-free according to	VDMA 24364-B2-L
Low capacitance	Yes

Certifications and standards

CE marking	Yes
EAC certified	Yes
EAC certification number	EA3C RU C-DE.A1064.B.00091/19
UL recognized	Yes
UL AWM certification	2570 according to UL 758 (e-file number: E63634) 10492 according to UL 758 (e-file number: E63634)
UL listed	No
cUR recognized	Yes
cUR certification	AWM I A according to CSA C22.2 No. 210 (e-file number: E63634) AWM II A according to CSA C22.2 No. 210 (e-file number: E63634) AWM I B according to CSA C22.2 No. 210 (e-file number: E63634) AWM II B according to CSA C22.2 No. 210 (e-file number: E63634)
cUL listed	No

CSA certified	No
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Resistance to flame propagation tested according to UN/ECE-R118	No
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ÖLFLEX® SERVO 719 CY

Article No.	Name	Conductor count/size	Compatible drive/feedback system	Nominal outer diameter	Copper index
1020010	ÖLFLEX® SERVO 719 CY 4G1,5	4G1,5	Miscellaneous	0.331 in	557.7 lb/10000 ft
1020011	ÖLFLEX® SERVO 719 CY 4G2,5	4G2,5	Miscellaneous	0.39 in	839.9 lb/10000 ft
1020012	ÖLFLEX® SERVO 719 CY 4G4	4G4	Miscellaneous	0.461 in	1283.3 lb/10000 ft
1020013	ÖLFLEX® SERVO 719 CY 4G6	4G6	Miscellaneous	0.539 in	1948.5 lb/10000 ft
1020014	ÖLFLEX® SERVO 719 CY 4G10	4G10	Miscellaneous	0.657 in	3037 lb/10000 ft
1020015	ÖLFLEX® SERVO 719 CY 4G16	4G16	Miscellaneous	0.791 in	4844.4 lb/10000 ft
1020016	ÖLFLEX® SERVO 719 CY 4G25	4G25	Miscellaneous	0.957 in	7390.9 lb/10000 ft
1020017	ÖLFLEX® SERVO 719 CY 4G35	4G35	Miscellaneous	1.091 in	10401 lb/10000 ft
1020018	ÖLFLEX® SERVO 719 CY 4G50	4G50	Miscellaneous	1.327 in	14452.6 lb/10000 ft
1020019	ÖLFLEX® SERVO 719 CY 4G1,5+(2x1,5)	4G1,5+(2x1,5)	SIEMENS	0.453 in	981 lb/10000 ft
1020020	ÖLFLEX® SERVO 719 CY 4G2,5+(2x1,5)	4G2,5+(2x1,5)	SIEMENS	0.508 in	1269.9 lb/10000 ft
1020021	ÖLFLEX® SERVO 719 CY 4G4+(2x1,5)	4G4+(2x1,5)	SIEMENS	0.591 in	1820.8 lb/10000 ft
1020022	ÖLFLEX® SERVO 719 CY 4G6+(2x1,5)	4G6+(2x1,5)	SIEMENS	0.669 in	2358.4 lb/10000 ft
1020023	ÖLFLEX® SERVO 719 CY 4G10+(2x1,5)	4G10+(2x1,5)	SIEMENS	0.768 in	3628.3 lb/10000 ft
1020024	ÖLFLEX® SERVO 719 CY 4G0,75+2x(2x0,34)	4G0,75+2x(2x0,34)	Bosch Rexroth	0.382 in	665.2 lb/10000 ft
1020025	ÖLFLEX® SERVO 719 CY 4G1,5+2x(2x0,75)	4G1,5+2x(2x0,75)	Bosch Rexroth	0.484 in	1007.85 lb/10000 ft
1020026	ÖLFLEX® SERVO 719 CY 4G2,5+2x(2x1)	4G2,5+2x(2x1)	Bosch Rexroth	0.579 in	1498.33 lb/10000 ft
1020027	ÖLFLEX® SERVO 719 CY 4G4+2x(2x1)	4G4+2x(2x1)	Bosch Rexroth	0.646 in	1935.1 lb/10000 ft
1020028	ÖLFLEX® SERVO 719 CY 4G4+(2x1)+(2x1,5)	4G4+(2x1)+(2x1,5)	Bosch Rexroth	0.654 in	2062.73 lb/10000 ft
1020029	ÖLFLEX® SERVO 719 CY 4G6+(2x1)+(2x1,5)	4G6+(2x1)+(2x1,5)	Bosch Rexroth	0.728 in	2828.7 lb/10000 ft
1020030	ÖLFLEX® SERVO 719 CY 4G10+(2x1)+(2x1,5)	4G10+(2x1)+(2x1,5)	Bosch Rexroth	0.87 in	3950.8 lb/10000 ft
1020031	ÖLFLEX® SERVO 719 CY 4G16+2x(2x1,5)	4G16+2x(2x1,5)	Bosch Rexroth	0.984 in	5885.84 lb/10000 ft
1020032	ÖLFLEX® SERVO 719 CY 4G25+2x(2x1,5)	4G25+2x(2x1,5)	Bosch Rexroth	1.13 in	8244.2 lb/10000 ft
1020033	ÖLFLEX® SERVO 719 CY 4G35+2x(2x1,5)	4G35+2x(2x1,5)	Bosch Rexroth	1.205 in	11099.79 lb/10000 ft
1020034	ÖLFLEX® SERVO 719 CY 4G50+2x(2x2,5)	4G50+2x(2x2,5)	Bosch Rexroth	1.457 in	15211.82 lb/10000 ft
1020041	ÖLFLEX® SERVO 719 CY 4G1+(2x0,5)	4G1+(2x0,5)	Lenze	0.366 in	591.27 lb/10000 ft
1020042	ÖLFLEX® SERVO 719 CY 4G1,5+(2x0,5)	4G1,5+(2x0,5)	Lenze	0.406 in	745.81 lb/10000 ft
1020043	ÖLFLEX® SERVO 719 CY 4G2,5+(2x0,5)	4G2,5+(2x0,5)	Lenze	0.461 in	1061.6 lb/10000 ft
1020045	ÖLFLEX® SERVO 719 CY 4G1,5+(2x1,0)	4G1,5+(2x1,0)	Lenze	0.425 in	873.47 lb/10000 ft
1020046	ÖLFLEX® SERVO 719 CY 4G2,5+(2x1,0)	4G2,5+(2x1,0)	Lenze	0.476 in	1162.39 lb/10000 ft

Article No.	Name	Conductor count/size	Compatible drive/feedback system	Nominal outer diameter	Copper index
1020047	ÖLFLEX® SERVO 719 CY 4G4+(2x1,0)	4G4+(2x1,0)	Lenze	0.563 in	1679.75 lb/10000 ft
1020048	ÖLFLEX® SERVO 719 CY 4G6+(2x1,0)	4G6+(2x1,0)	Lenze	0.63 in	2244.15 lb/10000 ft
1020051	ÖLFLEX® SERVO 719 CY 4G16+(2x1,5)	4G16+(2x1,5)	SIEMENS	0.886 in	5276.33 lb/10000 ft
1020052	ÖLFLEX® SERVO 719 CY 4G25+(2x1,5)	4G25+(2x1,5)	SIEMENS	1.028 in	7962.2 lb/10000 ft
1020053	ÖLFLEX® SERVO 719 CY 4G1,5+(3x1,0)	4G1,5+(3x1,0)	SEW-EURODRIVE	0.453 in	974.26 lb/10000 ft
1020054	ÖLFLEX® SERVO 719 CY 4G2,5+(3x1,0)	4G2,5+(3x1,0)	SEW-EURODRIVE	0.508 in	1263.17 lb/10000 ft
1020055	ÖLFLEX® SERVO 719 CY 4G4+(3x1,0)	4G4+(3x1,0)	SEW-EURODRIVE	0.583 in	1814.13 lb/10000 ft
1020056	ÖLFLEX® SERVO 719 CY 4G6+(3x1,5)	4G6+(3x1,5)	SEW-EURODRIVE	0.669 in	2486.03 lb/10000 ft

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