

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
Product range extension



Interference signals



Oil-resistant

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

ÖLFLEX® SERVO 719 CY

Product features

Low capacitance
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 ² 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 |

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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.

Please find our standard lengths at: 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.

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| Article number | Number of cores and mm ² 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) | 16.0 | 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 |
| 1020058 | 4 G 16 + (3 x 1,5) | 23.0 | 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 (02.07.2018)

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 You can find the current technical data in the corresponding data sheet.
 PN 0456 / 02_03_16

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| Article number | Number of cores and mm ² 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 |

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