

ÖLFLEX® CLASSIC 100 SY

Flexible color-coded power & control cable with steel braid



ÖLFLEX® CLASSIC 100 SY is a color-coded multi-conductor power and control cable with a galvanized steel braided shield for mechanical and low frequency protection. It is for use in all electrical equipment in dry, damp, or wet conditions. It is a European-style cable conforming to CE.

Recommended applications

Control systems; assembly lines; control panels; data processing equipment; European machinery

Approvals



| Cable attributes | | page 648 | |
|------------------|-------|----------|-------|
| OIL | OR-01 | FLAME | FR-02 |
| MOTION | FL-01 | MECH. | MP-01 |

Construction

- Conductors:** finely stranded bare copper
- Insulation:** PVC
- Inner jacket:** PVC; gray
- Shielding:** galvanized steel braid (75% coverage)
- Jacket:** PVC; transparent

Application advantage

- Available with inner jacket and steel braid for mechanical protection
- Steel braid provides protection from low-frequency noise
- Pressure-extruded jacket for improved flexibility

Complete the installation



SKINTOP®
MS-SC
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connectors
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Technical data

- Minimum bend radius:**
- for installation: 6 x cable diameter
- Temperature range:**
- for flexible use: -5°C to +70°C
- for stationary use: -40°C to +80°C
- Nominal voltage:**
- ≤ 16 AWG: 300/500V
- ≥ 14 AWG: 450/750V
- Test voltage:** 4000V
- Conductor stranding:** Class 5 fine wire
- Color code:** VDE 0293-308: chart 6, page 681
- Approvals:** based on VDE specifications
CE & RoHS

| Part number | Number of conductors incl. ground* | Nominal outer diameter | | Copper weight lbs/mft | Approx. weight lbs/mft | SKINTOP® SL PG thread |
|-------------------------|------------------------------------|------------------------|------|-----------------------|------------------------|-----------------------|
| | | in | mm | | | |
| 18 AWG (1 mm²) | | | | | | |
| 0016043 | 3 | 0.346 | 8.8 | 19 | 103 | S1111 |
| 00160443 | 4 | 0.374 | 9.5 | 26 | 121 | S1111 |
| 00160453 | 5 | 0.398 | 10.1 | 32 | 136 | S1113 |
| 16 AWG (1.5 mm²) | | | | | | |
| 0016065 | 3 | 0.382 | 9.7 | 29 | 128 | S1113 |
| 00160663 | 4 | 0.402 | 10.2 | 39 | 146 | S1113 |
| 00160673 | 5 | 0.437 | 11.1 | 48 | 180 | S1113 |
| 14 AWG (2.5 mm²) | | | | | | |
| 0016088 | 3 | 0.496 | 12.6 | 48 | 187 | S1116 |
| 00160893 | 4 | 0.547 | 13.9 | 65 | 228 | S1121 |
| 00160903 | 5 | 0.598 | 15.2 | 81 | 267 | S1121 |
| 12 AWG (4 mm²) | | | | | | |
| 0016101 | 2 | 0.535 | 13.6 | 52 | 221 | S1121 |
| 00161023 | 4 | 0.618 | 15.7 | 103 | 307 | S1121 |
| 00161033 | 5 | 0.673 | 17.1 | 129 | 366 | S1121 |

* 2c cable does not include ground

| Part number | Number of conductors incl. ground* | Nominal outer diameter | | Copper weight lbs/mft | Approx. weight lbs/mft | SKINTOP® SL PG thread |
|-----------------------|------------------------------------|------------------------|------|-----------------------|------------------------|-----------------------|
| | | in | mm | | | |
| 10 AWG (6 mm²) | | | | | | |
| 0016106 | 3 | 0.622 | 15.8 | 116 | 365 | S1121 |
| 00161073 | 4 | 0.677 | 17.2 | 155 | 461 | S1121 |
| 00161083 | 5 | 0.740 | 18.8 | 194 | 536 | S1129 |
| 8 AWG (10 mm²) | | | | | | |
| 00161103 | 4 | 0.838 | 21.3 | 258 | 677 | S1129 |
| 00161113 | 5 | 0.917 | 23.3 | 323 | 803 | S1129 |
| 6 AWG (16 mm²) | | | | | | |
| 00161133 | 4 | 0.949 | 24.1 | 413 | 929 | S1129 |
| 4 AWG (25 mm²) | | | | | | |
| 00161163 | 4 | 1.157 | 29.4 | 645 | 1356 | S1136 |
| 00161173 | 5 | 1.283 | 32.6 | 806 | 1654 | S1248 |
| 2 AWG (35 mm²) | | | | | | |
| 00161183 | 4 | 1.276 | 32.4 | 903 | 1725 | S1248 |

Recommended SKINTOP® assumes minimal OD variance. Additional configurations are available; please see our SKINTOP® section. If not otherwise specified, all values relating to the product are nominal values. Photographs are not to scale and are not true representations of the products in question.