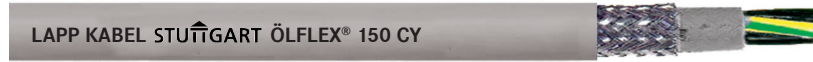
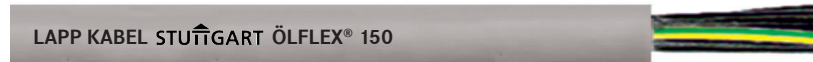


ÖLFLEX® 150/150 CY

Oil-Resistant Flexible Control Cable with International Approvals; Unshielded & Shielded



ÖLFLEX® 150 is an internationally approved, 600V multi-conductor cable. It has UL & CSA AWM and <HAR> approvals for use as an interconnect cable for machinery. ÖLFLEX® 150 is extremely flexible for easier installation and has outstanding oil, coolant, and chemical resistance. ÖLFLEX® 150 CY is a shielded version with an inner PVC jacket and tinned copper braid shield.

Unshielded Construction

Conductors: Finely stranded bare copper

Insulation: PVC

Jacket: Specially formulated PVC; gray

Shielded Construction

Conductors: Finely stranded bare copper

Insulation: PVC

Shielding: PVC inner jacket; tinned copper braid (85% coverage)

Jacket: Specially formulated PVC; gray

Recommended Applications

Control and power on industrial machinery; food & beverage; processing & pharmaceutical equipment; machinery for export to Europe

Approvals



Application Advantage

- Industrial grade PVC jacket (Oil Res I & II)
- International approvals: UL, CSA, <HAR>
- Very flexible pressure-extruded jacket for easy installation
- Number-coded conductors for easy identification & wiring

| Cable Attributes | | page 640 | |
|------------------|-------|----------|-------|
| OIL | OR-04 | FLAME | FR-02 |
| MOTION | FL-01 | MECH. | MP-02 |

| Complete the Installation | |
|------------------------------------|------------------------------|
| SKINTOP® Strain Relief page 488 | EPIC® Connectors page 280 |

Technical Data

| | |
|--|---|
| <p> Minimum Bend Radius: - for installation: 4 x cable diameter - shielded: 6 x cable diameter</p> <p> Temperature Range: - for stationary use: - UL/CSA: -40°C to +90°C - <HAR>: -40°C to +70°C - for flexible use: - UL/CSA: -5°C to +90°C - <HAR>: -5°C to +70°C</p> <p> Nominal Voltage: - UL/CSA: 600V - <HAR>: 300/500V</p> | <p> Test Voltage: 3000V</p> <p> Conductor Stranding: Class 5 fine wire</p> <p> Color Code: Black with white numbers, plus green/yellow ground</p> <p> Approvals: UL: AWM 2587 & 21098 (Oil) Attributes: UL Oil Res I/II NFPA 79 Canada: CSA AWM I/II A/B FT1 Additional: <HAR> H05VV5-F (non-shielded) <HAR> H05VVC4V5-K (shielded) CE & RoHS</p> |
|--|---|

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. For current information go to our website.

ÖLFLEX® 150

| Part Number | Number of Conductors (incl. ground) | Nominal Outer Diameter (in) (mm) | | Copper Weight (lbs/mft) | Approx. Weight (lbs/mft) | SKINTOP® Non-Metallic PG Thread | Part Number | Number of Conductors (incl. ground) | Nominal Outer Diameter (in) (mm) | | Copper Weight (lbs/mft) | Approx. Weight (lbs/mft) | SKINTOP® Non-Metallic PG Thread |
|--------------------------|-------------------------------------|----------------------------------|------|-------------------------|--------------------------|---------------------------------|--------------------------|-------------------------------------|----------------------------------|------|-------------------------|--------------------------|---------------------------------|
| 20 AWG (0.50 mm²) | | | | | | | 16 AWG (1.50 mm²) | | | | | | |
| 0015003 | 3 | 0.244 | 6.2 | 10 | 42 | S 1107 | 0015303 | 3 | 0.319 | 8.1 | 29 | 74 | S 1111 |
| 0015004 | 4 | 0.268 | 6.8 | 13 | 46 | S 1109 | 0015304 | 4 | 0.350 | 8.9 | 39 | 97 | S 1111 |
| 0015005 | 5 | 0.291 | 7.4 | 17 | 59 | S 1111 | 0015305 | 5 | 0.394 | 10.0 | 49 | 113 | S 1113 |
| 0015007 | 7 | 0.354 | 9.0 | 23 | 80 | S 1111 | 0015307 | 7 | 0.484 | 12.3 | 68 | 151 | S 1116 |
| 0015012 | 12 | 0.437 | 11.1 | 39 | 133 | S 1113 | 0015312 | 12 | 0.594 | 15.1 | 117 | 243 | S 1121 |
| 0015018 | 18 | 0.559 | 14.2 | 58 | 220 | S 1121 | 0015318 | 18 | 0.701 | 17.8 | 175 | 348 | S 1129 |
| 0015025 | 25 | 0.630 | 16.0 | 81 | 256 | S 1121 | 0015325 | 25 | 0.846 | 21.5 | 242 | 491 | S 1129 |
| 19 AWG (0.75 mm²) | | | | | | | 14 AWG (2.50 mm²) | | | | | | |
| 0015103 | 3 | 0.264 | 6.7 | 15 | 51 | S 1109 | 0015403 | 3 | 0.390 | 9.9 | 49 | 114 | S 1113 |
| 0015104 | 4 | 0.283 | 7.2 | 20 | 56 | S 1111 | 0015404 | 4 | 0.421 | 10.7 | 65 | 141 | S 1113 |
| 0015105 | 5 | 0.319 | 8.1 | 25 | 76 | S 1111 | 0015405 | 5 | 0.476 | 12.1 | 81 | 173 | S 1116 |
| 0015107 | 7 | 0.390 | 9.9 | 34 | 97 | S 1113 | 0015407 | 7 | 0.571 | 14.5 | 113 | 229 | S 1121 |
| 0015112 | 12 | 0.472 | 12.0 | 58 | 165 | S 1116 | 0015412 | 12 | 0.697 | 17.7 | 194 | 390 | S 1129 |
| 0015118 | 18 | 0.567 | 14.4 | 87 | 22 | S 1121 | 0015418 | 18 | 0.843 | 21.4 | 291 | 571 | S 1129 |
| 0015125 | 25 | 0.673 | 17.1 | 121 | 313 | S 1121 | 0015425 | 25 | 1.016 | 25.8 | 404 | 784 | S 1136 |
| 18 AWG (1.00 mm²) | | | | | | | | | | | | | |
| 0015203 | 3 | 0.276 | 7.0 | 20 | 53 | S 1111 | | | | | | | |
| 0015204 | 4 | 0.307 | 7.8 | 26 | 67 | S 1111 | | | | | | | |
| 0015205 | 5 | 0.339 | 8.6 | 33 | 89 | S 1111 | | | | | | | |
| 0015207 | 7 | 0.409 | 10.4 | 46 | 114 | S 1113 | | | | | | | |
| 0015212 | 12 | 0.504 | 12.8 | 78 | 192 | S 1116 | | | | | | | |
| 0015218 | 18 | 0.594 | 15.1 | 117 | 272 | S 1121 | | | | | | | |
| 0015225 | 25 | 0.709 | 18.0 | 162 | 383 | S 1129 | | | | | | | |

ÖLFLEX® 150 CY

| Part Number | Number of Conductors (incl. ground) | Nominal Outer Diameter (in) (mm) | | Copper Weight (lbs/mft) | Approx. Weight (lbs/mft) | SKINTOP® MS-SC PG Thread | Part Number | Number of Conductors (incl. ground) | Nominal Outer Diameter (in) (mm) | | Copper Weight (lbs/mft) | Approx. Weight (lbs/mft) | SKINTOP® MS-SC PG Thread |
|--------------------------|-------------------------------------|----------------------------------|------|-------------------------|--------------------------|--------------------------|--------------------------|-------------------------------------|----------------------------------|------|-------------------------|--------------------------|--------------------------|
| 18 AWG (1.00 mm²) | | | | | | | 14 AWG (2.50 mm²) | | | | | | |
| 0015703 | 3 | 0.374 | 9.5 | 52 | 97 | 53112230 | 0015903 | 3 | 0.465 | 11.8 | 81 | 164 | 53112240 |
| 0015704 | 4 | 0.398 | 10.1 | 54 | 121 | 53112230 | 0015904 | 4 | 0.516 | 13.1 | 115 | 198 | 53112240 |
| 0015705 | 5 | 0.437 | 11.1 | 64 | 136 | 53112230 | 0015905 | 5 | 0.575 | 14.6 | 138 | 245 | 53112250 |
| 0015707 | 7 | 0.516 | 13.1 | 80 | 183 | 53112240 | 0015907 | 7 | 0.681 | 17.3 | 162 | 322 | 53112260 |
| 16 AWG (1.50 mm²) | | | | | | | | | | | | | |
| 0015803 | 3 | 0.413 | 10.5 | 57 | 107 | 53112230 | | | | | | | |
| 0015804 | 4 | 0.445 | 11.3 | 64 | 142 | 53112240 | | | | | | | |
| 0015805 | 5 | 0.496 | 12.6 | 82 | 162 | 53112240 | | | | | | | |
| 0015807 | 7 | 0.587 | 14.9 | 97 | 205 | 53112250 | | | | | | | |

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. For current information go to our website.