

OLFLEX® TRAY II/ II CY

Flexible & Oil Resistant Tray Cable with both
UL & CSA TC Approval for Industrial Applications



OLFLEX® Tray II is an industrial grade tray cable with superior oil performance for long cable life. It has a pressure extruded jacket and fine copper stranding for excellent flexibility making it much easier to pull through tray. With UL TC-ER approval, no conduit is needed so you can reduce material costs along with saving on labor.

Recommended Applications:

Industrial plant expansions, Automotive plants, Tray wiring, anywhere that VNTC® cables are used

Application Advantage:

- Oil resistant pressure extruded PVC jacket for improved flexibility
- Easier to pull than standard tray cables minimizing labor costs
- UL TC-ER approval to reduce material costs. No conduit is needed.
- Black numbered conductors for easy identification
- UV resistant and direct burial
- UL wet rating 75°C

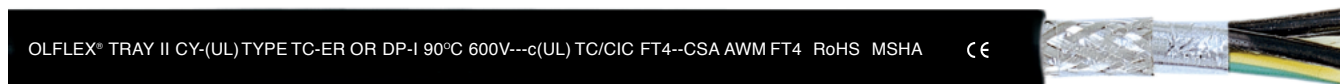
OLFLEX® TRAY II Construction:

Finely stranded bare copper conductors; specially blended PVC/nylon insulation; specially formulated oil resistant black PVC jacket.



OLFLEX® TRAY II CY Construction:

Finely stranded bare copper conductors; specially blended PVC/nylon insulation; 100% shielding with foil tape and tinned copper braid (70% coverage); specially formulated oil resistant black PVC jacket



Cable Attributes, See Page 653

| | | | |
|--|--------------------------|--|---------------------------------|
| | Oil Resistance: OR-02 | | Flame Resistance: FR-03 |
| | Motion Type: FL-01 | | Mechanical Properties: MP-03 |

Availability:

| | |
|--|---|
| | Standard put-ups are 100ft, 250ft, 500ft, and 1,000ft. Bulk reels can be cut to length. |
|--|---|

Complete the installation with:

| | | | |
|--|-------------------------------------|--|-------------------------------|
| | SKINTOP® Strain Relief: Page 486 | | EPIC® Connectors: Page 251 |
| | OLFLEX® Tubing: Page 546 | | OLFLEX® Servo TC: Page 75 |

Additional color code for the conductors and jacket available upon request. Minimums may apply.

Jacket is dual printed with AWG/mm² equivalent.

Technical Data:

| | | | |
|--|--|--|---|
| | Minimum Bending Radius for installation: < 1 AWG: 5 x cable diameter ≥ 1 AWG: 7.5 x cable diameter | | Color Code: Black with white numbers plus green/yellow ground |
| | Temperature Range: -40°C to +90°C UL/CSA TC -40°C to +90°C UL AWM | | Approvals: UL: - Type TC-ER (Exposed Run) or DP-1 - UL AWM, Oil Res I, Wet Rating 75°C UL 83 - UL MTW, NFPA 79 2007 - Class 1, Div. 2 per NEC Art. 336, 392, 501 - Submersible pump (14 AWG & Larger: 2 to 7 conductors) CSA: - c(UL) Type TC and CIC FT4 - CSA-AWM I/II A/B FT4 Additional: - MSHA-P-07-KA050016-MSHA (Shielded Only) |
| | Nominal Voltage: 600V - TC 1000V - AWM 1000V - TC Wind Turbine (WTTC) | | |
| | Conductor Stranding: Fine wire | | |

Please note that VNTC® is a trademark for General Cable Technologies Corporation.

OLFLEX® TRAY III/ II CY

Flexible & Oil Resistant Tray Cable with both
UL & CSA TC Approval for Industrial Applications



OLFLEX® Tray II: Flexible and Oil Resistant Tray Cable

| Part Number | Number of Conductors includes ground | Nominal Outer Diameter inches | mm | Copper Weight lbs/mft | Approx. Weight lbs/mft | kg/km | Part Number | Number of Conductors includes ground | Nominal Outer Diameter inches | mm | Copper Weight lbs/mft | Approx. Weight lbs/mft | kg/km |
|-------------------------------------|--------------------------------------|-------------------------------|------|-----------------------|------------------------|-------|--|--------------------------------------|-------------------------------|------|-----------------------|------------------------|-------|
| 18 AWG (19/30) 1.00 mm ² | | | | | | | 221207 7 .581 14.8 176 258 384 | | | | | | |
| 221803 | 3 | .297 | 7.5 | 19 | 57 | 85 | 10 AWG (82/.0117) 6 mm ² | | | | | | |
| 221804 | 4 | .320 | 8.1 | 25 | 66 | 98 | 221004 | 4 | .578 | 14.7 | 147 | 265 | 394 |
| 221805 | 5 | .346 | 8.8 | 31 | 77 | 115 | 221005 | 5 | .631 | 16.0 | 184 | 317 | 472 |
| 221807 | 7 | .373 | 9.5 | 44 | 100 | 149 | 221007 | 7 | .686 | 17.4 | 257 | 443 | 661 |
| 221809 | 9 | .429 | 10.9 | 56 | 112 | 167 | 8 AWG (74/.0159) 10 mm ² | | | | | | |
| 221812 | 12 | .477 | 12.1 | 75 | 171 | 255 | 220804 | 4 | .703 | 17.9 | 245 | 412 | 615 |
| 221818 | 18 | .587 | 14.9 | 113 | 245 | 365 | 220805 | 5 | .772 | 19.6 | 306 | 518 | 771 |
| 221825 | 25 | .664 | 16.9 | 156 | 322 | 479 | 6 AWG (119/.0159) 16 mm ² | | | | | | |
| 221850 | 50 | .939 | 23.9 | 313 | 646 | 961 | 220603 | 3 | .776 | 19.7 | 295 | 462 | 688 |
| 16 AWG (28/30) 1.50 mm ² | | | | | | | 220604 | 4 | .899 | 22.8 | 393 | 580 | 864 |
| 221603 | 3 | .325 | 8.3 | 27 | 69 | 103 | 220605 | 5 | .982 | 24.9 | 491 | 725 | 1080 |
| 221604 | 4 | .351 | 8.9 | 36 | 83 | 124 | 4 AWG (413/30) 25 mm ² | | | | | | |
| 221605 | 5 | .381 | 9.7 | 45 | 98 | 146 | 220403 | 3 | .999 | 25.3 | 406 | 918 | 1367 |
| 221607 | 7 | .412 | 10.5 | 64 | 127 | 189 | 220404 | 4 | 1.094 | 27.8 | 541 | 952 | 1418 |
| 221608 | 8 | .444 | 11.3 | 73 | 136 | 203 | 2 AWG (665/30) 35 mm ² | | | | | | |
| 221609 | 9 | .476 | 12.1 | 82 | 171 | 255 | 220203 | 3 | 1.155 | 29.3 | 640 | 1169 | 1741 |
| 221612 | 12 | .565 | 14.4 | 109 | 220 | 328 | 220204 | 4 | 1.272 | 32.3 | 853 | 1394 | 2077 |
| 221616 | 16 | .621 | 15.8 | 145 | 271 | 403 | 1 AWG (836/30) 42.3 mm ² | | | | | | |
| 221618 | 18 | .652 | 16.6 | 163 | 289 | 431 | 220104 | 4 | 1.400 | 35.6 | 1096 | 1978 | 2947 |
| 221625 | 25 | .741 | 18.8 | 227 | 397 | 592 | 1/0 AWG (1045/30) 52.9 mm ² | | | | | | |
| 221641 | 41 | .986 | 25.0 | 372 | 625 | 931 | 221104 | 4 | 1.466 | 37.2 | 1344 | 2195 | 3271 |
| 221650 | 50 | 1.048 | 26.6 | 454 | 760 | 1132 | 2/0 AWG (1330/30) 67.3 mm ² | | | | | | |
| 221661 | 61 | 1.085 | 27.6 | 553 | 769 | 1148 | 222204 | 4 | 1.674 | 42.5 | 1777 | 2750 | 4098 |
| 14 AWG (46/30) 2.50 mm ² | | | | | | | 3/0 AWG (1672/30) 84.8 mm ² | | | | | | |
| 221403 | 3 | .362 | 9.2 | 45 | 87 | 130 | 223304 | 4 | 1.695 | 43.1 | 2255 | 3717 | 5538 |
| 221404 | 4 | .392 | 10.0 | 60 | 107 | 159 | 4/0 AWG (2107/30) 106.7 mm ² | | | | | | |
| 221405 | 5 | .427 | 10.8 | 75 | 128 | 191 | 224404 | 4 | 2.059 | 52.3 | 2839 | 4694 | 6994 |
| 221407 | 7 | .463 | 11.8 | 105 | 169 | 252 | 250 KCMIL (33 x 19/24) 128.4 mm ² | | | | | | |
| 221409 | 9 | .571 | 14.5 | 135 | 225 | 335 | 222504 | 4 | 2.167 | 55.0 | 3314 | 5102 | 7602 |
| 221412 | 12 | .636 | 16.2 | 179 | 308 | 459 | 350 KCMIL (24 x 37/24) 181.9 mm ² | | | | | | |
| 221418 | 18 | .737 | 18.7 | 269 | 439 | 654 | 223504 | 4 | 2.501 | 63.5 | 4687 | 5578 | 8311 |
| 221425 | 25 | .886 | 22.5 | 374 | 587 | 874 | 500 KCMIL (34 x 37/24) 257.6 mm ² | | | | | | |
| 12 AWG (56/.0117) 4 mm ² | | | | | | | 225004 | 4 | 2.902 | 73.7 | 6615 | 7090 | 10564 |
| 221203 | 3 | .423 | 10.7 | 75 | 111 | 165 | | | | | | | |
| 221204 | 4 | .460 | 11.7 | 100 | 152 | 226 | | | | | | | |
| 221205 | 5 | .503 | 12.8 | 125 | 187 | 279 | | | | | | | |

OLFLEX® Tray II CY: Shielded Flexible and Oil Resistant Tray Cable

| Part Number | Number of Conductors includes ground | Nominal Outer Diameter inches | mm | Copper Weight lbs/mft | Approx. Weight lbs/mft | kg/km | Part Number | Number of Conductors includes ground | Nominal Outer Diameter inches | mm | Copper Weight lbs/mft | Approx. Weight lbs/mft | kg/km |
|-------------------------------------|--------------------------------------|-------------------------------|------|-----------------------|------------------------|-------|--------------------------------------|--------------------------------------|-------------------------------|------|-----------------------|------------------------|-------|
| 18 AWG (19/30) 1.00 mm ² | | | | | | | 2214070 7 .494 12.5 125 220 327 | | | | | | |
| 2218030 | 3 | .322 | 8.2 | 21 | 80 | 119 | 2214120 | 12 | .667 | 16.9 | 208 | 400 | 595 |
| 2218040 | 4 | .346 | 8.8 | 35 | 92 | 137 | 2214180 | 18 | .768 | 19.5 | 303 | 527 | 784 |
| 2218050 | 5 | .371 | 9.4 | 42 | 100 | 149 | 2214250 | 25 | .917 | 23.3 | 426 | 704 | 1048 |
| 2218070 | 7 | .398 | 10.1 | 56 | 130 | 193 | 12 AWG (56/.0117) 4 mm ² | | | | | | |
| 2218120 | 12 | .508 | 12.9 | 96 | 222 | 330 | 2212040 | 4 | .491 | 12.5 | 121 | 212 | 315 |
| 2218180 | 18 | .618 | 15.7 | 138 | 294 | 438 | 2212050 | 5 | .568 | 14.4 | 151 | 261 | 388 |
| 2218250 | 25 | .695 | 17.7 | 190 | 386 | 574 | 2212070 | 7 | .612 | 15.5 | 201 | 335 | 499 |
| 16 AWG (28/30) 1.5 mm ² | | | | | | | 10 AWG (82/.0117) 6 mm ² | | | | | | |
| 2216030 | 3 | .350 | 8.9 | 38 | 97 | 144 | 2210040 | 4 | .609 | 15.5 | 173 | 371 | 552 |
| 2216040 | 4 | .376 | 9.6 | 48 | 116 | 173 | 2210050 | 5 | .662 | 16.8 | 211 | 412 | 613 |
| 2216050 | 5 | .406 | 10.3 | 59 | 127 | 189 | 2210070 | 7 | .717 | 18.2 | 291 | 575 | 856 |
| 2216070 | 7 | .443 | 11.3 | 82 | 165 | 246 | 8 AWG (74/.0159) 10 mm ² | | | | | | |
| 2216120 | 12 | .596 | 15.1 | 134 | 286 | 426 | 2208040 | 4 | .737 | 18.7 | 279 | 576 | 857 |
| 2216180 | 18 | .683 | 17.3 | 196 | 346 | 515 | 6 AWG (119/.0159) 16 mm ² | | | | | | |
| 2216250 | 25 | .772 | 19.6 | 261 | 476 | 708 | 2206040 | 4 | .918 | 23.3 | 435 | 812 | 1208 |
| 14 AWG (46/30) 2.5 mm ² | | | | | | | 4 AWG (413/30) 25 mm ² | | | | | | |
| 2214030 | 3 | .387 | 9.8 | 57 | 121 | 180 | 2204040 | 4 | 1.127 | 28.6 | 613 | 1332 | 1982 |
| 2214040 | 4 | .423 | 10.7 | 78 | 150 | 223 | 2 AWG (665/30) 35 mm ² | | | | | | |
| 2214050 | 5 | .458 | 11.6 | 93 | 180 | 268 | 2202040 | 4 | 1.309 | 33.2 | 945 | 1951 | 2903 |

The zero at the end of the part number denotes foil and braid shielding.