

ÖLFLEX® TRAY VTC

Flexible Tray Cable with TC-ER for Easier Installations



ÖLFLEX® TRAY VTC is a multi-conductor cable approved for use in cable trays. It is UL TC-ER & CSA CIC, making it perfect for new plant installations and factory expansions. Premium PVC insulation provides greater flexibility over PVC/nylon without sacrificing cable size.

Recommended Applications

Plant expansion; contractor markets; A&E firm plant designs; tray wiring; anywhere VNTC® cables are used

Approvals



Unshielded Construction

Conductors: Finely stranded bare copper

Insulation: Specially formulated PVC

Jacket: Specially formulated PVC; black

Application Advantage

- Easier to pull than standard tray cable
- PVC insulation provides greater flexibility over PVC/nylon
- UL TC-ER approval reduces material costs; no conduit is needed
- Black numbered conductors with printed color code for easy identification
- UV-resistant and direct burial
- UL wet rating 90°C

Cable Attributes, see page 659

| | | | |
|-------|-------|--------|------------|
| OR-02 | FR-03 | FL-01 | MP-03 |
| OIL | FLAME | MOTION | MECHANICAL |

Complete the Installation

| | | | |
|--|----------------------------------|--|----------------------------|
| | SKINTOP® Strain Relief: page 502 | | EPIC® Connectors: page 278 |
|--|----------------------------------|--|----------------------------|

Technical Data

| | |
|--|--|
| Minimum Bend Radius: - for installation: 4 x cable diameter | Approvals: UL: TC-ER per UL 1277 WTTTC per UL 2277 AWM 20886 Attributes: UL Oil Res I 90°C Wet; 90°C Dry Sunlight Resistant Direct Burial NFPA 79 2015 NEC: Class 1 Division 2 per NEC Article 501 Canada: c(UL) CIC FT4 cRU AWM I/II A/B FT4 Additional: CE & RoHS |
| Temperature Range: - UL TC/c(UL) CIC: -25°C to +90°C - for flexible use: -5°C to +90°C - for stationary use: -40°C to +105°C | |
| Nominal Voltage: - UL TC: 600V - UL WTTTC: 1000V - UL AWM/cRU AWM: 1000V | |
| Test Voltage: 2000V | |
| Conductor Stranding: Class B stranded wire | |
| Color Code: Black with white numbers, and color name per color chart ICEA-NEMA (K-2): Chart 10, page 698, plus green/yellow ground | |

VNTC® is a registered trademark of General Cable.

Photographs are not to scale and are not true representations of the products in question. For current information go to our website. If not otherwise specified, all values relating to the product are nominal values.

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| 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 |
|---------------------------|-------------------------------------|----------------------------------|------|-------------------------|--------------------------|---------------------------------|---------------------------|-------------------------------------|----------------------------------|------|-------------------------|--------------------------|---------------------------------|
| 18 AWG (7 strand) | | | | | | | 12 AWG (19 strand) | | | | | | |
| 201803 | 3 | 0.286 | 7.3 | 16 | 46 | S2111 | 201203 | 3 | 0.381 | 9.7 | 64 | 106 | S2113 |
| 201804 | 4 | 0.307 | 7.8 | 21 | 56 | S2111 | 201204 | 4 | 0.413 | 10.5 | 85 | 110 | S2113 |
| 201805 | 5 | 0.332 | 8.4 | 26 | 67 | S2111 | 201205 | 5 | 0.451 | 11.5 | 106 | 164 | S2113 |
| 201807 | 7 | 0.358 | 9.1 | 37 | 84 | S2111 | 201207 | 7 | 0.490 | 12.4 | 149 | 217 | S2116 |
| 201809 | 9 | 0.411 | 10.4 | 48 | 106 | S2113 | 201212 | 12 | 0.673 | 17.1 | 255 | 378 | S2129 |
| 201812 | 12 | 0.458 | 11.6 | 63 | 133 | S2116 | 201216 | 16 | 0.743 | 18.9 | 341 | 488 | S2129 |
| 201818 | 18 | 0.562 | 14.3 | 95 | 204 | S2121 | 10 AWG (19 strand) | | | | | | |
| 201819 | 19 | 0.562 | 14.3 | 101 | 211 | S2121 | 201003 | 3 | 0.433 | 11.0 | 102 | 150 | S2116 |
| 201825 | 25 | 0.636 | 16.2 | 132 | 267 | S2121 | 201004 | 4 | 0.471 | 12.0 | 136 | 193 | S2116 |
| 16 AWG (7 strand) | | | | | | | 201005 | 5 | 0.516 | 13.1 | 170 | 236 | S2121 |
| 201603 | 3 | 0.312 | 7.9 | 26 | 59 | S2111 | 201007 | 7 | 0.594 | 15.1 | 238 | 333 | S2129 |
| 201604 | 4 | 0.336 | 8.5 | 34 | 73 | S2111 | 8 AWG (19 strand) | | | | | | |
| 201605 | 5 | 0.365 | 9.3 | 43 | 87 | S2111 | 200804 | 4 | 0.621 | 15.8 | 217 | 320 | S2121 |
| 201607 | 7 | 0.394 | 10.0 | 60 | 112 | S2113 | 200805 | 5 | 0.680 | 17.3 | 271 | 392 | S2129 |
| 201608 | 8 | 0.424 | 10.8 | 68 | 127 | S2113 | 6 AWG (19 strand) | | | | | | |
| 201609 | 9 | 0.455 | 11.6 | 77 | 142 | S2116 | 200604 | 4 | 0.756 | 19.2 | 343 | 484 | S2129 |
| 201612 | 12 | 0.508 | 12.9 | 103 | 180 | S2121 | 200605 | 5 | 0.871 | 22.1 | 429 | 629 | S2129 |
| 201616 | 16 | 0.593 | 15.1 | 137 | 249 | S2121 | | | | | | | |
| 201618 | 18 | 0.622 | 15.8 | 154 | 275 | S2129 | | | | | | | |
| 201619 | 19 | 0.622 | 15.8 | 162 | 284 | S2129 | | | | | | | |
| 201625 | 25 | 0.706 | 17.9 | 214 | 363 | S2129 | | | | | | | |
| 14 AWG (19 strand) | | | | | | | | | | | | | |
| 201403 | 3 | 0.344 | 8.7 | 40 | 78 | S2111 | | | | | | | |
| 201404 | 4 | 0.372 | 9.4 | 54 | 98 | S2111 | | | | | | | |
| 201405 | 5 | 0.405 | 10.3 | 67 | 118 | S2113 | | | | | | | |
| 201407 | 7 | 0.439 | 11.2 | 94 | 154 | S2113 | | | | | | | |
| 201409 | 9 | 0.509 | 12.9 | 121 | 197 | S2121 | | | | | | | |
| 201412 | 12 | 0.602 | 15.3 | 161 | 269 | S2129 | | | | | | | |
| 201418 | 18 | 0.697 | 17.7 | 242 | 381 | S2129 | | | | | | | |
| 201419 | 19 | 0.697 | 17.7 | 255 | 396 | S2129 | | | | | | | |
| 201425 | 25 | 0.794 | 20.2 | 335 | 508 | S2129 | | | | | | | |

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