Wide application range due to multiple approvals; Cost-saving, easy installation due to omission of closed raceways (suitable for open wiring)

- Torsion resistant for drip loops
- Broad application range (NFPA 70/NEC), NFPA 79 compliance, Outdoor use
- EMC/Screened

**Product description**

**Application range**

- Industrial machinery; plant engineering
- TC-ER (Tray Cable Exposed Run) approval for open wiring between cable tray and industrial machines/plants acc. to NEC 336.10(7)
- Wind turbines: USA Wind Turbine Tray Cable (WTTC)
- Class 1, Div. 2 in accordance with NEC "National Electrical Code" Art. 336, 392, 501
- Suitable for outdoor use and direct burial

**Benefits**

- Wide application range due to multiple approvals
- Cost-saving, easy installation due to omission of closed raceways (suitable for open wiring)

**Product Make-up**

PRODUCT INFORMATION FOR ÖLFLEX® TRAY II CY by
PERTRONIC CABLES SASA PERIC ROSENSTR.6 74239 HARDTHAUSEN TEL: 07139-507-8687  FAX: 07139-507-8680
www.pertronic-cables.com | sales@pertronic.eu | Skype PERTRONIC-CABLES | see you GOOGLE + PERTRONIC KABEL
ÖLFLEX® TRAY II CY

- Fine-wire strand made of bare copper wires
- Insulation: PVC+nylon sheath (PA skin)
- Aluminum-coated foil
- Tinned-copper braiding
- Outer sheath made of special PVC compound, black

Norm references / Approvals

- Multi-standard cables have conductor strands with nominal sizes in mm² or AWG/kcmil. The master size is mentioned in the table below, while the equivalent size of the other system can be found in the Appendix T16 of this catalogue. For this related secondary size the cross-section of the conductor mostly works out to be greater than the specified nominal value.
- Approvals: UL MTW (Machine-tool Wire) [E155920]; UL AWM (Appliance Wiring Material-Component) style 20886 (+105 °C) [E100338]; UL Wet Approval 75°C; UL Type TC (Tray Cable) -ER (Exposed Run) [E171371] or DP-1; UL PLTC (Power Limited Tray Cable) -ER (Exposed Run); UL ITC (Instrumentation Tray Cable) -ER (Exposed Run); UL WTTTC (FT4) [E323700]; OIL RES. I, OIL RES. II; P-07-KA050016-MSHA (ÖLFLEX® TRAY II CY); c(UL) CIC / TC and FT4; CSA-AWM I (internal wiring)/ II (external wiring) A (dry)/ B (wet); FT4 (highly flame-retardant)

Product features

- Flame-retardant according to CSA FT4
- UL Vertical-Tray Flame Test
- Oil-resistant according to UL OIL RES I & II
- Water-resistant, UL Wet Approval 75 °C
- UV-resistant UL SUN RES
- Suitable for torsional applications which are typical for the loop in wind turbine generators (WTG)

Technical Data

<table>
<thead>
<tr>
<th>Core identification code</th>
<th>Black with white numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Classification</td>
<td>ETIM 5.0 Class-ID: EC000104</td>
</tr>
<tr>
<td></td>
<td>ETIM 5.0 Class-Description: Control cable</td>
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<tr>
<td>Conductor stranding</td>
<td>Fine copper wire strands</td>
</tr>
<tr>
<td>Torsion movement in WTG</td>
<td>TW-0 &amp; TW-2, refer to Appendix T0</td>
</tr>
<tr>
<td>Minimum bending radius</td>
<td>Static/Occ. moved: 5/20xOD*</td>
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<tr>
<td>Nominal voltage</td>
<td>UL/CSA: 600 V (TC, MTW, CIC), WTTTC 1000 V</td>
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<tr>
<td></td>
<td>UL/CSA: 1000 V (AWM)</td>
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<tr>
<td></td>
<td>VDE U0 /U: 600/1000 V</td>
</tr>
<tr>
<td>Protective conductor</td>
<td>G = with GN-YE protective conductor</td>
</tr>
<tr>
<td></td>
<td>X = without protective conductor</td>
</tr>
<tr>
<td>Temperature range</td>
<td>-40°C (static)/ -25°C (occ. moved) to +90°C (AWM: +105°C)</td>
</tr>
</tbody>
</table>