

# Technical data sheet · LÜTZE SILFLEX® Tray-ER TPE with UL/TC-ER/WTTC/MTW/CE Approvals



Flexible Motor Cable · Unshielded

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                           |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| Identification             | Type<br>Part-No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | SI N TPE TRAY-ER 4×AWG2/0 SW<br>A3322/004 |
| Use/Application/Properties |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                           |
| Application                | <ul style="list-style-type: none"><li>• Multi-conductor cable for tray applications, with <b>exposed run</b> (open wiring) approval</li><li>• Compliant with <b>NFPA 79</b> for machine tool wiring</li><li>• <b>TC-ER</b> for use with cable trays <b>without conduit</b>, which can reduce material and labor costs</li><li>• Metal cutting equipment, machine tools, machine and plant construction, HVAC technology, assembly and production lines, and other industrial applications</li><li>• WTTC – wind turbine tray cable rating for use in wind power generation</li><li>• Dry, damp and wet locations</li></ul> |                                           |
| Properties                 | <ul style="list-style-type: none"><li>• Flexible design with Nylon for crush impact resistance per UL 1277 and easy installation</li><li>• Specially formulated TPE jacket for superior oil resistance</li><li>• Cutting oil resistant – mineral &amp; bio/vegetable based oil<br/>*specially tested with plant based cutting oil</li><li>• Non-wicking fillers</li><li>• Sunlight resistant</li><li>• Direct burial</li><li>• UL Type TC-Exposed Run</li><li>• Talc free</li><li>• Silicone free</li></ul>                                                                                                                |                                           |
| Construction               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                           |

10.03.2017 – Subject to technical modification

Part-No. A3322/004

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|                                    |                     |
|------------------------------------|---------------------|
| Description                        | SILFLEX TRAY-ER TPE |
| Number of conductors/cross-section | 4×2/0               |
| Jacket material                    | TPE                 |
| Jacket color                       | black RAL 9005      |
| Outer Ø                            | 29.2 mm             |
| Outer Ø                            | 1.544 inches        |
| Weight                             | 2257 Lbs/Mft        |
| Cu-Index                           | 1685 Lbs/Mft        |

## Element 1

|                        |                                                  |
|------------------------|--------------------------------------------------|
| Element construction   | 2/0/4C                                           |
| Conductor construction | 2/0 (1330/30)                                    |
| Conductor              | AWG conductor<br>CU-wire bare                    |
| Conductor category     | feindrähtig                                      |
| Conductor marking      | black<br>with white number print<br>green/yellow |
| Conductor insulation   | PVC/Nylon<br>THHN – THWN                         |

## overall construction

|                        |                                                                              |
|------------------------|------------------------------------------------------------------------------|
| Jacket characteristics | Oil resistant<br>Silicone-free<br>mineral oil-resistant<br>bio-oil-resistant |
|------------------------|------------------------------------------------------------------------------|

## Technical data

|                              |                                                                            |
|------------------------------|----------------------------------------------------------------------------|
| Rated voltage                | 600 V TC-ER 90C<br>600 V MTW 90C<br>1000 V WTTC 90C<br>600 V UL AWM 105 °C |
| Temperature range fixed      | -40 °C ... +90 °C                                                          |
| Minimum bending radius fixed | 4×D                                                                        |

## Element 1

|                      |        |
|----------------------|--------|
| Element construction | 2/0/4C |
|----------------------|--------|

## Approvals/Standards

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SYSTEMATIC TECHNOLOGY

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|                            |                                                                                                                                                                   |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approvals                  | TC-ER<br>cURus<br>cULus<br>UL Type MTW or DP-1<br>WTTC<br>Class 1 Div. 2 per NEC<br>Art. 336, 392, 501<br>cUL TC<br>CIC FT4<br>UL 1277<br>UL 509 BUS Drop pending |
| Conformity                 | CE<br>REACH<br>RoHS                                                                                                                                               |
| Oil resistant according to | Oil Res I<br>Oil Res II                                                                                                                                           |

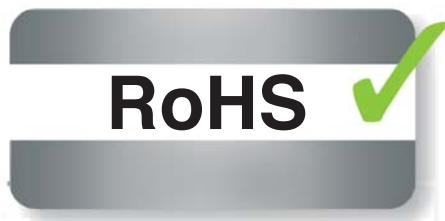
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### General

|      |                                                                                  |
|------|----------------------------------------------------------------------------------|
| Note | CE These products are in conformity with the EU Low Voltage Directive 2014/35/EU |
|------|----------------------------------------------------------------------------------|

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### Logo



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