

# Technical data sheet · LÜTZE ELECTRONIC (C) PLTC PVC TPC with twisted pairs and UL/CE/PTLC Approvals



Flexible electronic cable · Shielded

|                |          |                                          |
|----------------|----------|------------------------------------------|
| Identification | Type     | LIY(C)PVC TP (2×2×AWG20)UL/cURus/CE/PLTC |
|                | Part-No. | A3142004                                 |

## Use/Application/Characteristics

|                 |                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application     | <ul style="list-style-type: none"><li>• <b>Double shielded industrial grade PLTC</b> electronic cable for machine tools, process instrumentation and controls, computer peripherals, HVAC technology, assembly and production lines, low voltage interconnect and other industrial applications including <b>installation in cable trays</b></li></ul>                 |
| Characteristics | <ul style="list-style-type: none"><li>• Flexible for easy installation</li><li>• Easy strip design</li><li>• Color coded conductors</li><li>• Conductors twisted in pairs</li><li>• Specially formulated jacket for oil resistance</li><li>• Premium durability</li><li>• Extended temperature range</li><li>• <b>UL listed</b> and <b>NFPA 79</b> compliant</li></ul> |

## Construction

|                                    |                            |
|------------------------------------|----------------------------|
| Description                        | ELECTRONIC (C) PLTC PVC TP |
| Number of conductors/cross-section | 4×AWG20                    |
| Jacket material                    | PVC                        |
| Jacket color                       | grey RAL 7001              |
| Outer Ø                            | 7.6 mm                     |

10.03.2017 – Subject to technical modification

Part-No. A3142004

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|          |              |
|----------|--------------|
| Outer Ø  | 0.301 inches |
| Weight   | 55 Lbs/Mft   |
| Cu-Index | 30 Lbs/Mft   |

## Element 1

|                        |                                     |
|------------------------|-------------------------------------|
| Element construction   | AWG20/2TP                           |
| Conductor construction | AWG 20 (19/32)                      |
| Conductor              | AWG conductor<br>CU-wire tin-plated |
| Conductor category     | feindrähtig                         |
| Conductor marking      | black<br>red<br>black<br>white      |
| Conductor insulation   | SR-PVC                              |
| Stranding              | Conductors stranded in pairs        |

## overall construction

|                        |                                                                                 |
|------------------------|---------------------------------------------------------------------------------|
| Drain wire             | CU-wire tin-plated                                                              |
| Overall shield         | Aluminium laminate<br>Aluminium laminate<br>Braid shield<br>Tinned copper wires |
| Jacket characteristics | Flame-retardant<br>Oil resistant<br>Silicone-free                               |

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## Technical data

|                              |                    |
|------------------------------|--------------------|
| Rated voltage UL             | 300 V              |
| Temperature range fixed      | -25 °C ... +105 °C |
| Minimum bending radius fixed | 6×D                |

## Element 1

|                      |           |
|----------------------|-----------|
| Element construction | AWG20/2TP |
|----------------------|-----------|

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## Approvals/Standards

|           |                                                                                                           |
|-----------|-----------------------------------------------------------------------------------------------------------|
| Approvals | cULus<br>PLTC<br>UL Type CM<br>cURus<br>AWM II A/B<br>NEC 725, 760, 800<br>Class 1 Div. 2 (PLTC use only) |
|-----------|-----------------------------------------------------------------------------------------------------------|

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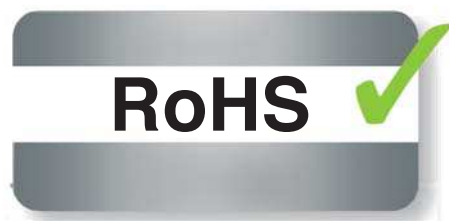
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|                               |                     |
|-------------------------------|---------------------|
| UL style                      | AWM 2464            |
| Conformity                    | CE<br>REACH<br>RoHS |
| Burning behavior according to | UL VW-1<br>UL FT4   |
| Oil resistant according to    | Oil Res II          |

### General

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

### Symbols



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