

# 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 (8×2×AWG20)UL/cURus/CE/PLTC |
|                | Part-No. | A3142016                                 |

## 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 | 16×AWG20                   |
| Jacket material                    | PVC                        |
| Jacket color                       | grey RAL 7001              |
| Outer Ø                            | 11.3 mm                    |

10.03.2017 – Subject to technical modification

Part-No. A3142016

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|          |              |
|----------|--------------|
| Outer Ø  | 0.443 inches |
| Weight   | 139 Lbs/Mft  |
| Cu-Index | 84 Lbs/Mft   |

## Element 1

|                        |                                                                                                                                           |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Element construction   | AWG20/8TP                                                                                                                                 |
| 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<br>black<br>green<br>black<br>blue<br>black<br>brown<br>black<br>yellow<br>black<br>orange<br>red<br>green |
| 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                |

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SYSTEMATIC TECHNOLOGY

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## Element 1

Element construction

AWG20/8TP

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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) |
| 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                                                                                                |

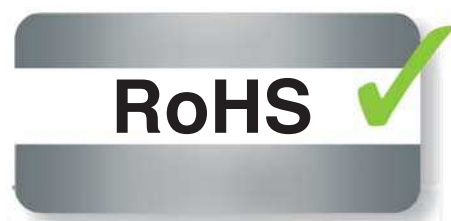
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## General

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

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## Symbols



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