

|                           |                                 |                                                                                     |
|---------------------------|---------------------------------|-------------------------------------------------------------------------------------|
| 7433501343                | <b>DATA SHEET</b>               |  |
| Valid from:<br>19.02.2026 | <b>EPIC® MC03C2LSAPNB22RK20</b> |                                                                                     |

Description

- Sensor/actuator PUR-cable, unshielded, with LED Display
- M12 Connector, A-coding, 3 Pin



Product variations

| Article no. | Articel description      | P1 - cable end     | Length (mm)   |
|-------------|--------------------------|--------------------|---------------|
| 7433501343  | EPIC® MC03C2LSAPNB22RK20 | coupling, straight | 2000 +100/-20 |
| 7433501345  | EPIC® MC03C2LSAPNB22RK50 | coupling, straight | 5000 +150/-30 |

Other lengths are available on request.

Connector, general characteristics

|                                 |                                                       |
|---------------------------------|-------------------------------------------------------|
| Coding                          | A-Coding                                              |
| Number of poles / pins          | 3                                                     |
| Product standard                | IEC 61076-2-101(2024)                                 |
| Shielded                        | No                                                    |
| Protection class                | IP 67                                                 |
| Pollution degree                | 3                                                     |
| Ambient temperature (connected) | -25 up to +80°C (Flexible)<br>-40 up to +80°C (Fixed) |
| Plugging cycles                 | ≥ 100                                                 |
| Tightening torque               | Recommended:0.4 Nm<br>Max:0.8 Nm                      |

Connector, electrical properties

|                                 |          |
|---------------------------------|----------|
| Rated voltage                   | 12V      |
| Rated surge voltage             | N/A      |
| Rated current                   | 4 A      |
| Insulation resistance           | ≥ 100 MΩ |
| Contact resistance of connector | ≤ 5 mΩ   |

Connector, materials

|               |                       |
|---------------|-----------------------|
| Contacts      | Phosphor, gold plated |
| Insert        | PA66+GF               |
| Overmold      | TPU/ NC               |
| Threaded part | Brass, nickel plated  |
| Sealing       | FKM                   |

|                           |                                 |                                                                                     |
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### Cable, general characteristics

|                                           |                                                 |
|-------------------------------------------|-------------------------------------------------|
| AWM style                                 | UL20549                                         |
| Conductor cross-section                   | 22 AWG (0.34mm <sup>2</sup> )                   |
| Number of conductors                      | 3 (1. Brown, 2. Blue, 3. Black)                 |
| Core outer diameter                       | 1.2 ±0.1mm                                      |
| Jacket outer diameter                     | 4.5±0.2mm                                       |
| Cable weight                              | 25 ± 3 kg/km                                    |
| Temperature rating                        | -40 up to +80°C                                 |
| Flammability test                         | H                                               |
| Halogen-free                              | No                                              |
| Oil resistance                            | Yes (condition 60°C)                            |
| Oil resistant after (100±2°Cx96H) IRM-902 | Tensile Strength / Elongation >=50% of original |

### Cable, electrical properties

|                      |                       |
|----------------------|-----------------------|
| Rated voltage        | 300 V                 |
| Conductor resistance | MAX 55.4 Ω/km at 20°C |
| Dielectric strength  | 2000V / min.          |

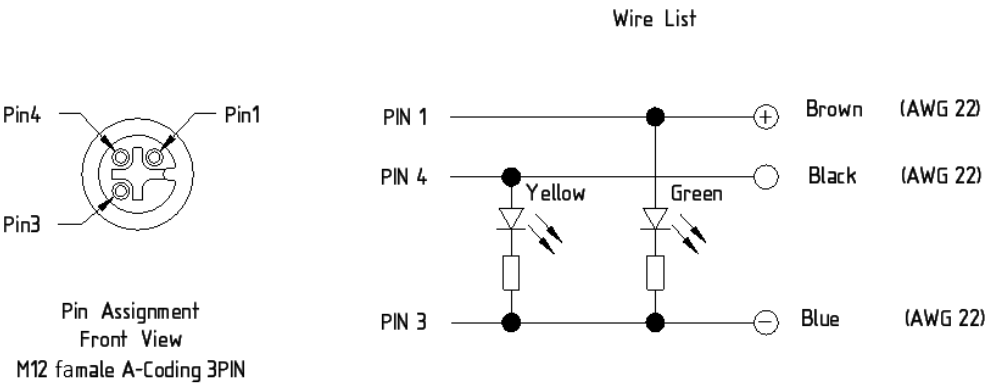
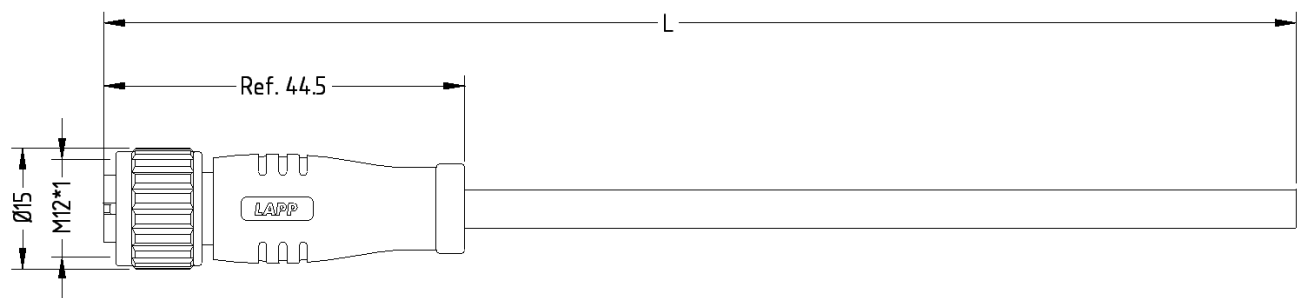
### Cable, materials

|                      |             |
|----------------------|-------------|
| Conductor            | Bare copper |
| Conductor insulation | PP          |
| Jacket               | PUR, Black  |

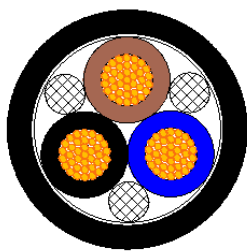
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**Drawings**



**Cross section**



**Remark**

Photographs are not to scale and do not represent detailed images of the respective products.

|                                                     |                                         |             |
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