

Power cable M8, both ends assembled with M8 connector and M8 socket, 4-pole,  
Length 1.0 m



| General information                               |                                                                                                                                                               |
|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product type designation                          | Power cable                                                                                                                                                   |
| Product description                               | Flexible cable (4-core), preassembled at each end with a 4-pin M8 male / female connector                                                                     |
| Suitability for use                               | For connection to ET 200AL for 24 V DC power supply                                                                                                           |
| Degree and class of protection                    |                                                                                                                                                               |
| IP degree of protection                           | IP65/67                                                                                                                                                       |
| Ambient conditions                                |                                                                                                                                                               |
| Ambient temperature during assembly, min.         | -30 °C                                                                                                                                                        |
| Ambient temperature during assembly, max.         | 80 °C                                                                                                                                                         |
| Ambient temperature during storage/transportation |                                                                                                                                                               |
| • min.                                            | -40 °C                                                                                                                                                        |
| • max.                                            | 80 °C                                                                                                                                                         |
| Cables                                            |                                                                                                                                                               |
| Cable designation                                 | 4 Li9Y 0.50 mm <sup>2</sup> Y                                                                                                                                 |
| Cable length                                      | 1 m                                                                                                                                                           |
| Number of electrical cores                        | 4                                                                                                                                                             |
| Outer diameter of inner conductor                 | 0.8 mm                                                                                                                                                        |
| Outer diameter of core insulation                 | 1.46 mm                                                                                                                                                       |
| Outer diameter of cable sheath                    | 5.2 mm                                                                                                                                                        |
| Number of bending cycles                          | 2 500 000; cable carrier compliant for 2.5 million bending cycles with a bending radius of 52 mm, a speed of 3 m/s and an acceleration of 10 m/s <sup>2</sup> |
| Permissible bending radius, single bend, min.     | 26 mm                                                                                                                                                         |
| Permissible bending radius, multiple bends, min.  | 52 mm                                                                                                                                                         |
| Bending radius for continuous bending             | 52 mm                                                                                                                                                         |
| Color of cable sheath                             | gray                                                                                                                                                          |
| Color of core insulation of energy core           | white / brown / blue / black                                                                                                                                  |
| Weight per length                                 | 44 kg/km                                                                                                                                                      |
| Mechanics/material                                |                                                                                                                                                               |
| Outgoing feeder type                              | 180° cable outlet                                                                                                                                             |
| Material of cable sheath                          | PVC                                                                                                                                                           |
| Material of core insulation                       | PP                                                                                                                                                            |
| Material property                                 |                                                                                                                                                               |
| • Silicone-free                                   | Yes                                                                                                                                                           |

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