

bus cable for ET connection M8, assembled on both ends with 2x M8 connectors angled, 4-pole, shielded Length 1.0 m



Figure similar

| General information                               |                                                                                              |
|---------------------------------------------------|----------------------------------------------------------------------------------------------|
| Product description                               | Flexible cable (4-core), preassembled at both ends with 2x M8 plugs, angled, 4-pin, shielded |
| Suitability for use                               | for connecting ET-CONNECTION nodes (e.g. SIMATIC ET 200AL) in degree of protection IP65 / 67 |
| Degree and class of protection                    |                                                                                              |
| Degree of protection acc. to EN 60529             |                                                                                              |
| • IP65                                            | Yes                                                                                          |
| • IP67                                            | Yes                                                                                          |
| 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                                | 2Y(ST)CY 1x4x0.5/1.0-100-GN                                                                                                                                 |
| Design of shield                                 | Overlapped aluminum-clad foil, sheathed in a braid of tin-plated copper wires                                                                               |
| Cable length                                     | 1 m                                                                                                                                                         |
| Number of electrical cores                       | 4                                                                                                                                                           |
| Outer diameter of inner conductor                | 0.5 mm                                                                                                                                                      |
| Outer diameter of core insulation                | 1 mm                                                                                                                                                        |
| Outer diameter of cable sheath                   | 5 mm                                                                                                                                                        |
| Number of bending cycles                         | 1 000 000; Cable carrier compliant for 1 million bending cycles with a bending radius of 100 mm, a speed of 4 m/s and an acceleration of 4 m/s <sup>2</sup> |
| Permissible bending radius, single bend, min.    | 20 mm                                                                                                                                                       |
| Permissible bending radius, multiple bends, min. | 40 mm                                                                                                                                                       |
| Bending radius for continuous bending            | 100 mm                                                                                                                                                      |
| Color of cable sheath                            | Green                                                                                                                                                       |
| Color of core insulation of data cores           | white / yellow / blue / orange                                                                                                                              |
| Weight per length                                | 34 kg/km                                                                                                                                                    |

| Mechanics/material          |                        |
|-----------------------------|------------------------|
| Type of cable outlet        | 90 degree cable outlet |
| Material of housing         | metal                  |
| Material of cable sheath    | PVC                    |
| Material of core insulation | PE                     |
| Material property           |                        |
| • Halogen-free              | No                     |
| • Silicone-free             | Yes                    |

**last modified:** 10/24/2018