

- Fulfill the specification of Cat. 6A acc. to IEC 60603-7-51
- Comply with the requirements of ISO/IEC 11801
- Strain relief function according EIA/TIA 568B.1-1
- Degree of protection IP65/67 acc. IEC 60529
- Protective housing acc. IEC 61076-3-106 variant 06
- Each patch cord is individual tested



| Mechanical Data Protective housing IP65/67 | Value                                       | Standard        |
|--|---|-----------------|
| Housing material                           | PA  |                 |
| Material O-ring                            | FPM   |                 |
| Cable seal material                        | NBR   |                 |
| Degree of protection                       | IP65/67                                     | IEC 60529       |
| Protective housing                         | Variant 06 Interbus                         | IEC 61076-3-106 |
| Ambient temperature (operation)            | -40 °C ... 70 °C                            |                 |
| In flammability class acc. to UL-94        | V-0   |                 |
| <b>Mechanical Data Connector</b>           |   |                 |
| Plug tolerance and dimension               | RJ45  | IEC 60603-7     |
| Ambient temperature (operation)            | -10 °C ... 60 °C                            |                 |
| <b>Technical Data Connector</b>            |   |                 |
| Housing material                           | PC (Polycarbonate)                          |                 |
| In flammability class acc. to UL-94        | V-0   |                 |
| <b>Electrical Data Connector</b>           |   |                 |
| Number of wire                             | 8   |                 |
| Contact surface                            | 1.2 µm gold                                 |                 |
| Contact material                           | Bronze (CuSn6)                              |                 |
| Shield jacket material                     | Brass (CuZn) hot-dip galvanized             |                 |
| Nominal current                            | 1.75 A max. 20°C                            |                 |
| Nominal voltage                            | 150 V <sub>eff</sub> max.                   |                 |
| Dielectric withstanding voltage            | 1000 V <sub>eff</sub> 1 min. (60Hz).        |                 |
| Insulation resistance                      | 500 MΩ min.                                 |                 |
| Pollution degree                           | 3   |                 |
| <b>Technical Data Cable</b>                |   |                 |
| Jacket material                            | PUR (Polyurethane)                          |                 |
| Colour                                     | Green RAL 6018                              |                 |
| Ambient temperature (operation)            | -20 °C ... 60 °C                            |                 |
| Cable jacket Ø                             | 6.0 mm                                      |                 |
| Wire Ø                                     | AWG 26/7                                    |                 |
| Wire insulation Ø                          | 1.2 mm (Polyethylene)                       |                 |
| Wiring                                     | In pairs AI – plating                       |                 |
| Cable screen                               | Copper braid, tinned (approx. 65% coverage) |                 |
| Bending radius                             | With load ≥ 50 mm<br>Without load ≥ 25 mm   |                 |
| In flammability class acc. to UL-94        | IEC 60332-1                                 |                 |