

**Product:** [SPEG20-LL-SPEG20-LL-998](#) 



SPE double ended cordset: T1 Industrial male straight 6P-LL Code to T1 Industrial male straight 6P-LL Code, IP20, PUR

## Product Description

SPE double ended cordset: T1 Industrial male straight 6P-LL Code to T1 Industrial male straight 6P-LL Code, IP20, PUR

## Technical Specifications

### Face View Side 1

| Pin 1 | Pin 2         |
|-------|---------------|
| Blue  | Natural White |

### Face View Side 2

| Pin 1 | Pin 2         |
|-------|---------------|
| Blue  | Natural White |

## Product Description

|                    |                                          |
|--------------------|------------------------------------------|
| Product Family:    | SPE Cordset                              |
| Brand:             | Lumberg Automation                       |
| Connector Type:    | Cordset, double ended                    |
| Shielding:         | Shielded                                 |
| Rated Voltage:     | 60 V                                     |
| Operating Voltage: | 50 V AC / 60 V DC                        |
| Rated Current*:    | 4 A                                      |
| Data Transmission: | 1 Gbit/s bis 40 m / 10 Mbit/s bis 1000 m |

## Technical Data Side 1

|                                   |                                       |
|-----------------------------------|---------------------------------------|
| Product Sub Family:               | SPE Cordset T1 Industrial             |
| Type of Contact / Gender:         | Male                                  |
| Connector Design:                 | Straight                              |
| Attachment Type:                  | Latch-Locking                         |
| Number of Pins:                   | 2                                     |
| Contact Resistance:               | ≤ 10 mOhm                             |
| Insulation Resistance:            | > 5x10 <sup>8</sup> Ohm               |
| Mating Cycles:                    | ≤ 100                                 |
| Ambient Temperature (Operation)*: | - 40 °C - + 90 °C (Cable +80 °C)      |
| Protection Degree / IP Rating**:  | IP20                                  |
| Design Standard:                  | IEC 63171-6                           |
| Pollution Degree:                 | 3 acc. to DIN EN 60664-1 (VDE 0110-1) |
| Clearance / Creepage Distance:    | DIN EN 60664-1 (2008/01); VDE 0110-1  |
| Contact Base Material:            | CuSn                                  |
| Contact Plating:                  | Cu/Au                                 |
| Contact Bearer Material:          | PA                                    |
| Contact Bearer Color:             | Black                                 |
| Molded Body Material:             | TPU                                   |
| Molded Body Color:                | Black                                 |

|                      |               |
|----------------------|---------------|
| Attachment Material: | CuZn          |
| Attachment Plating:  | Nickel-plated |

Cable Data

|                                           |                                  |
|-------------------------------------------|----------------------------------|
| Cable Number:                             | 998                              |
| Number of Wires:                          | 2                                |
| Conductor material:                       | Cu                               |
| Cable Jacket Material:                    | PUR                              |
| Cable Jacket Color:                       | blue                             |
| Cable Diameter D:                         | ø 5.50 ± 0.20 mm                 |
| Wire Insulation Material:                 | PE                               |
| Insulated Wire Diameter:                  | ø 1,9 ±0.1 mm                    |
| Overall Shield (Cable):                   | Tinned copper                    |
| Foil shield:                              | Al-mylar wrapping foil           |
| Ambient Temperature (Fixed Installation): | - 40 °C - +80 °C                 |
| UL Cable Type:                            | AWM: 20549                       |
| Flammability Class (Cable Jacket):        | FT-2                             |
| Cable Characteristics:                    | Exclusion of dangerous materials |

Technical Data Side 2

|                                           |                                       |
|-------------------------------------------|---------------------------------------|
| Product Sub Family, Side 2:               | SPE Cordset T1 Industrial             |
| Type of Contact / Gender, Side 2:         | Male                                  |
| Connector Design, Side 2:                 | Straight                              |
| Attachment Type, Side 2:                  | Latch-Locking                         |
| Contact Resistance, Side 2:               | ≤ 10 mOhm                             |
| Insulation Resistance, Side 2:            | > 5x10^8 Ohm                          |
| Mating Cycles, Side 2:                    | ≤ 100                                 |
| Ambient Temperature (Operation), Side 2*: | - 40 °C - + 90 °C (Cable +80 °C)      |
| Design Standard, Side 2:                  | IEC 63171-6                           |
| Pollution Degree, Side 2:                 | 3 acc. to DIN EN 60664-1 (VDE 0110-1) |
| Overvoltage Category, Side 2:             | PA                                    |
| Contact Plating, Side 2:                  | Cu/Au                                 |
| Contact Bearer Material, Side 2:          | TPU                                   |
| Contact Bearer Color, Side 2:             | Black                                 |
| Attachment Material, Side 2:              | CuZn                                  |
| Attachment Plating, Side 2:               | Nickel-plated                         |

Safety & Environmental Compliance

|                 |     |
|-----------------|-----|
| RoHS Compliant: | Yes |
|-----------------|-----|

Notes

|                |                 |
|----------------|-----------------|
| Note Derating: | Notice derating |
|----------------|-----------------|

History

|                      |                                                 |
|----------------------|-------------------------------------------------|
| Update and Revision: | Revision Number: 0.28 Revision Date: 05-31-2024 |
|----------------------|-------------------------------------------------|

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