

# DT06-6SG-A-2/TXL

## Deutsch Connector – Connection Cable

### Features

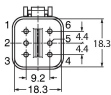


- Deutsch connector DT06, straight, 6-pin
- With M12 × 1 thread for thermowell
- Jacket material: TPE-U (PUR)
- Jacket color: black, similar to RAL 7021
- Suitable for drag chain use
- Flame retardant
- Halogen free acc. to DIN VDE 0472 part 815
- RoHS compliant
- Protection classes IP67 and IP69K
- Cable length: 2.0 m

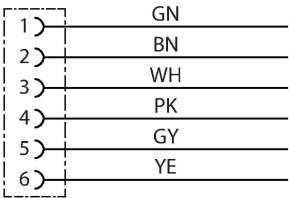
### Technical data

|                                    |                                        |
|------------------------------------|----------------------------------------|
| Type                               | DT06-6SG-A-2/TXL                       |
| ID                                 | 100000454                              |
| Connector A                        | Female, Deutsch DT, Straight           |
| Number of Pins                     | 6                                      |
| Contacts                           | Brass, CuZn, Nickel-plated             |
| Contact carriers                   | Plastic, Thermoplast, Green            |
| Connector body                     | Plastic, TPU, UL 94, Black             |
| Seal                               | Plastic, Silicone                      |
| Mechanical lifespan                | > 100 Mating cycles                    |
| Protection class                   | IP67, IP69K, (plugged)                 |
| Cable                              |                                        |
| Cable diameter                     | Ø 6.9 mm ±0.25                         |
| Cable length                       | 2 m                                    |
| Cable jacket                       | PUR, Black                             |
| Core insulation                    | PP                                     |
| Core cross-section                 | 6 x 0.75 mm²                           |
| Arrangement of strands             | 42 x 0.15 mm                           |
| Core colors                        | GN, BN, WH, PK, GY, YE                 |
| Electrical properties at +20 °C    |                                        |
| Rated voltage                      | 48 V <sub>AC</sub> /60 V <sub>DC</sub> |
| Test voltage                       | 3000 V                                 |
| Current                            | 6 A                                    |
| Mechanical and chemical properties |                                        |
| Bending radius (flexible use)      | ≥ 12 x Ø                               |
| Bending cycles                     | ≥ 4 million                            |
| Admissible acceleration            | max. 10 m/s²                           |
| Admissible traversing speed        | 1.67 m/s                               |

### Contact assignment



### Circuit Diagram



## Technical data

|                                        |              |
|----------------------------------------|--------------|
| Ambient temperature range (stationary) | -40...+80 °C |
| Ambient temperature range (In motion)  | -25...+80 °C |