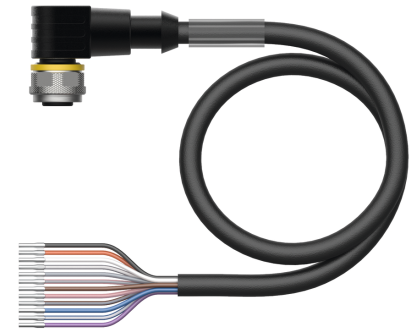
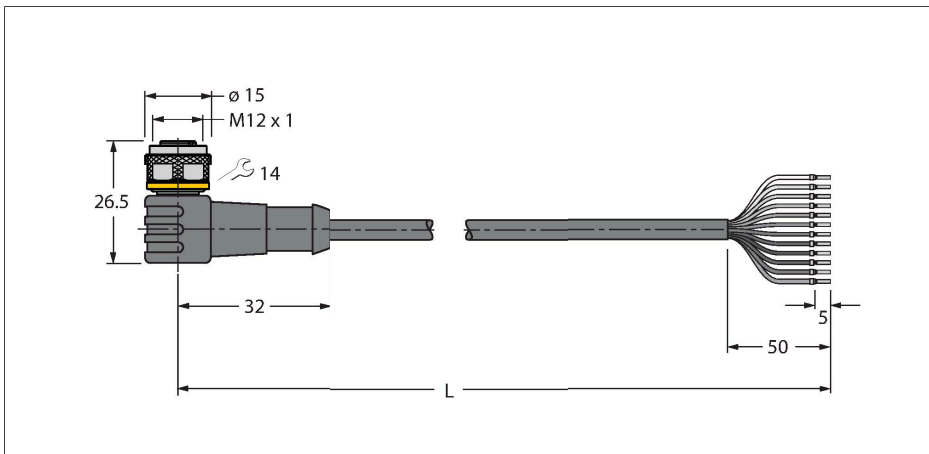


WKC12T-5/TEL

Actuator and Sensor Cable, PVC – Connection Cable



Technical data

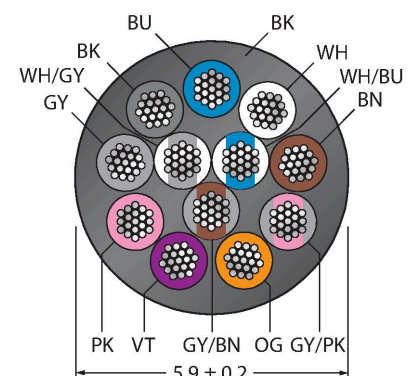
| | |
|--|--|
| Type | WKC12T-5/TEL |
| ID | 6625331 |
| Connector A | Female, M12 × 1, Angled, A-coded |
| Number of Pins | 12 |
| Contacts | Brass, CuZn, Gold-plated |
| Contact carriers | Plastic, TPU, Black |
| Connector body | Plastic, TPU, Black |
| Coupling nut/screw | Brass, CuZn, Nickel-plated |
| Seal | Plastic, FPM/FKM |
| Mechanical lifespan | > 100 Mating cycles |
| Pollution degree | 3 |
| Protection class | IP67, IP69K, Only in screwed condition |
| Cable | |
| Cable diameter | Ø 5.9 mm ±0.20 |
| Cable length | 5 m |
| Cable jacket | PVC, Black |
| Core insulation | PVC |
| Core cross-section | 12 x 0.14 mm ² |
| Arrangement of strands | 18 x 0.1 mm |
| Core colors | BN, WH, BU, BK, GY, PK, VT, OG, GY/PK, WH/BU, WH/GY, GY/BN |
| Electrical properties at +20 °C | |
| Rated voltage | 30 V |
| Test voltage | 2000 V |
| Current | 1.5 A |
| Insulation resistance | > 30.5 MΩ/km |
| forward resistance | max. 138 Ω/km |

Features



- Female M12, angled, 12-pin
- Jacket material: PVC
- Jacket color: black
- Resistant to chemicals and oils
- Flame retardant
- Resistant to acids and alkaline solutions
- Resistant to microbes and hydrolysis
- LABS free
- Protection class: IP67, IP69K
- Cable length: 5.0 m

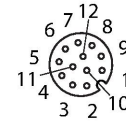
Cable Cross-Section



Contact assignment

Technical data

| Mechanical and chemical properties | |
|--|------------------------------|
| Bending radius (stationary installation) | $\geq 5 \times \varnothing$ |
| Bending radius (flexible use) | $\geq 10 \times \varnothing$ |
| Ambient temperature range (stationary) | -40 °C...+105 °C |
| Ambient temperature range (In motion) | -5 °C...+80 °C |
| Approvals | cULus |



Functional principle

Drawing shows design status including hexagon coupling nut (Production start CW11/2016). Wiring diagram shows contact assignment acc. to DIN EN 60947-5-2 (Production start CW16/2017).

Circuit Diagram

| | |
|------|-------|
| 1) | BN |
| 2) | WH |
| 3) | BU |
| 4) | BK |
| 5) | GY |
| 6) | PK |
| 7) | VT |
| 8) | OG |
| 9) | GY/PK |
| 10) | WH/BU |
| 11) | WH/GY |
| 12) | GY/BN |

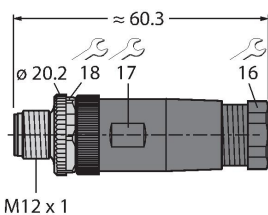
Stranded Wire Colors

| Pin | DIN 47100 (old) | DIN EN 60947-5-2 (new) |
|-----|-----------------|------------------------|
| 1 | BN | BN |
| 2 | BU | WH |
| 3 | WH | BU |
| 4 | GN | BK |
| 5 | PK | GY |
| 6 | YE | PK |
| 7 | BK | VT |
| 8 | GY | OG |
| 9 | RD | GY/PK |
| 10 | VT | WH/BU |
| 11 | GY/PK | WH/GY |
| 12 | RD/BU | GY/BN |

Accessories

BS81121-0/PG9

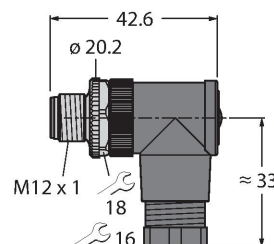
6604053



Field-wireable male connector, M12 × 1, straight, 12-pin, solder contact, cable feedthrough 6.0 to 8.0 mm, core cross-section/terminal capacity 0.14 to 0.25 mm², plastic housing, metal retaining screw

BS82121-0/PG9

6936122



Field-wireable male connector, M12 × 1, angled, 12-pin, solder contact, cable feedthrough 6.0 to 8.0 mm, core cross-section/terminal capacity 0.14 to 0.25 mm², plastic housing, metal retaining screw

TORQUE-WRENCH-SET-AS

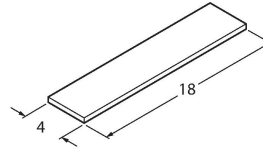
6936170



Torque wrench set; handles with adjustable torque 0.4-1.0 Nm, torque wrench for M8 (SW9), fork wrench for M12 (SW 14)

BLANK-LABEL-FOR-CORDSETS-TEL-TXL

6936206



Label for TEL and TXL cables, length: 18 mm, height: 4 mm, material: polycarbonate (PC), color: white, halogen-free and flame-retardant