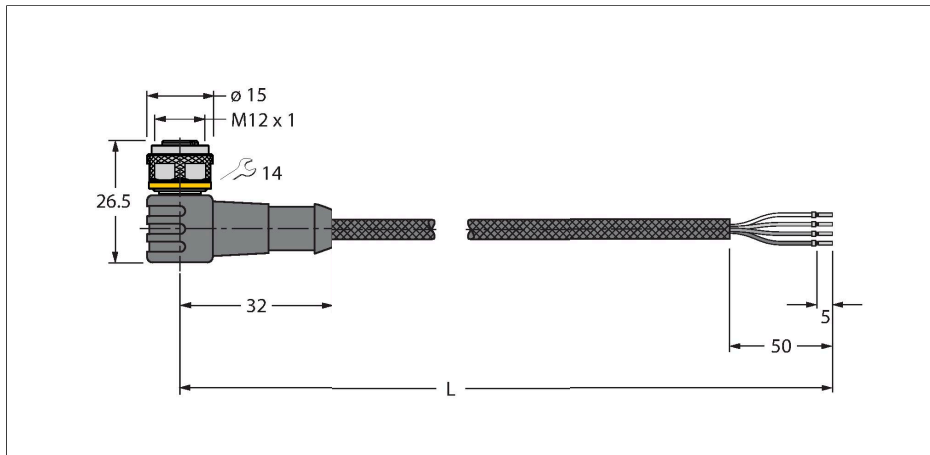


# WKC4.4T-5/TXL1001

## Weld-Splatter Resistant Actuator and Sensor Cable – Connection Cable

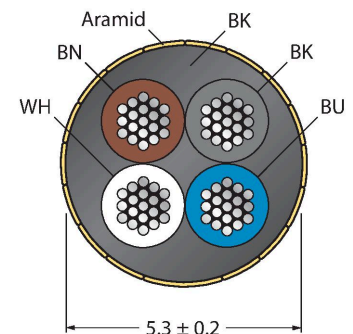


### Features

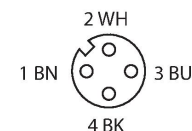


- Female M12, angled, 4-pin
- Jacket material: PUR jacketed with aramid fibers
- Jacket color: yellow
- Resistant to welding sparks
- Flame retardant
- Resistant to chemicals, UV radiation and oils
- Free from halogen, silicone, PVC and LABS
- Protection class: IP67, IP69K
- Protective jacket material: aramid fibers
  - Tensile strength: 2923 MPa
  - Breaking strength: 333 N
  - Elongation at break: 3.6 %
  - Temperature peaks: up to +200 °C
- Cable length: 5.0 m

### Cable Cross-Section



### Contact assignment



### Technical data

|                                 |                                        |
|---------------------------------|----------------------------------------|
| Type                            | WKC4.4T-5/TXL1001                      |
| ID                              | 6630224                                |
| Connector A                     | Female, M12 × 1, Angled, A-coded       |
| Number of pins                  | 4                                      |
| 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 5.3 mm ±0.20                         |
| Cable length                    | 5 m                                    |
| Cable jacket                    | PUR, Yellow                            |
| Core insulation                 | PP                                     |
| Core cross-section              | 4 x 0.34 mm²                           |
| Arrangement of strands          | 42 x 0.1 mm                            |
| Core colors                     | BN, WH, BU, BK                         |
| Electrical properties at +20 °C |                                        |
| Rated voltage                   | 250 V                                  |
| Test voltage                    | 2000 V                                 |
| Current                         | 4 A                                    |
| Insulation resistance           | > 30.5 MΩ/km                           |
| forward resistance              | max. 57 Ω/km                           |

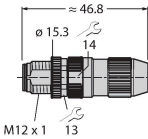
Technical data

| Mechanical and chemical properties       |                              |
|------------------------------------------|------------------------------|
| Bending radius (stationary installation) | $\geq 5 \times \varnothing$  |
| Bending radius (flexible use)            | $\geq 10 \times \varnothing$ |
| Ambient temperature (fixed)              | -50...+105 °C                |
| Ambient temperature (mobile)             | -30...+90 °C                 |

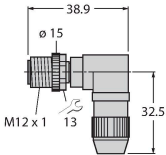
Accessories

|                                                                                                                       |         |
|-----------------------------------------------------------------------------------------------------------------------|---------|
| 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) |         |

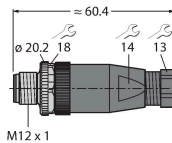
|                                                                                                                                                                                                             |         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| HAS8141-0                                                                                                                                                                                                   | 6905406 |
| Field-wireable male connector, M12 × 1, straight, 4-pin, insulation piercing connection, cable feedthrough 4.0 to 5.1 mm, core cross-section/terminal capacity 0.14 to 0.34 mm², plastic housing, metal nut |         |



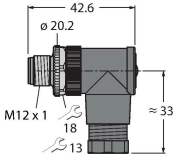
|                                                                                                                                                                                                           |         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| HAS8241-0                                                                                                                                                                                                 | 6905400 |
| Field-wireable male connector, M12 × 1, angled, 4-pin, insulation piercing connection, cable feedthrough 4.0 to 5.1 mm, core cross-section/terminal capacity 0.14 to 0.34 mm², plastic housing, metal nut |         |



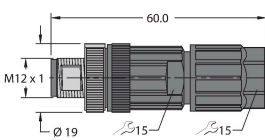
|                                                                                                                                                                                                                    |       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| BS8141-0                                                                                                                                                                                                           | 69010 |
| Field-wireable male connector, M12 × 1, straight, 4-pin, screw terminal connection, cable feedthrough 4.0 to 6.0 mm, core cross-section/terminal capacity 0.14 to 0.75 mm², plastic housing, metal retaining screw |       |



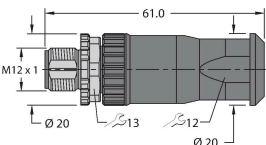
|                                                                                                                                                                                                             |       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| BS8241-0                                                                                                                                                                                                    | 69011 |
| Field-wireable connector, M12 × 1, angled, 4-pin, screw terminal connection, cable feedthrough 4.0 to 6.0 mm, core cross-section/terminal capacity 0.14 to 0.75 mm², plastic housing, metal retaining screw |       |



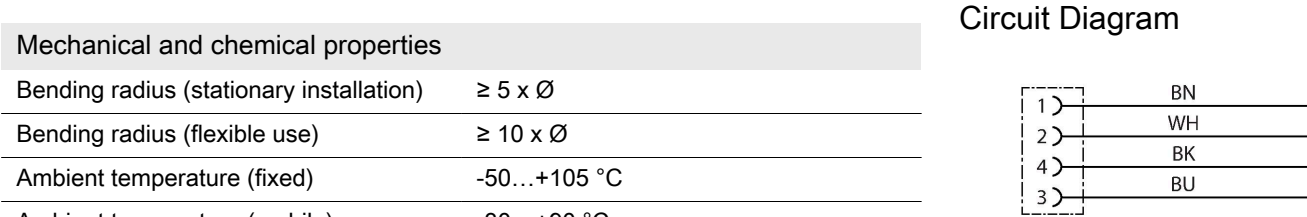
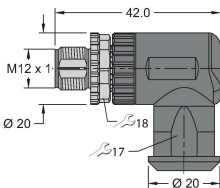
|                                                                                                                                                                                                             |           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| FW-ERSPM0426-SA-P-0408                                                                                                                                                                                      | 100002048 |
| Field-wireable male connector, M12 × 1, straight, 4-pin, push-in connection, cable feedthrough 4.0 to 8.0 mm, core cross-section/terminal capacity 0.14 to 0.75 mm², plastic housing, metal retaining screw |           |



|                                                                                                                                                                                                                   |           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| FW-ERSPM0416-SA-S-0408                                                                                                                                                                                            | 100002288 |
| Field-wireable male connector, M12 × 1, straight, 4-pin, screw terminal connection, cable feedthrough 4.0 to 8.0 mm, core cross-section/terminal capacity 0.25 to 1.5 mm², plastic housing, metal retaining screw |           |



|                                                                                                                                                                                                                 |           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| FW-EWSPM0416-SA-S-0408                                                                                                                                                                                          | 100002290 |
| Field-wireable male connector, M12 × 1, angled, 4-pin, screw terminal connection, cable feedthrough 4.0 to 8.0 mm, core cross-section/terminal capacity 0.25 to 1.5 mm², plastic housing, metal retaining screw |           |



Accessories

| Dimension drawing                                                                 | Type                  | ID        |                                                                                                                                                                            |
|-----------------------------------------------------------------------------------|-----------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | LABEL-HOLDER-FLEX-PVC | 100048170 | PVC label holder for identification of extension cables (TEL/TXL product series); for cable diameters: min. 5 mm; dimensions 4 × 18 mm; delivery unit: 50 pcs. per package |