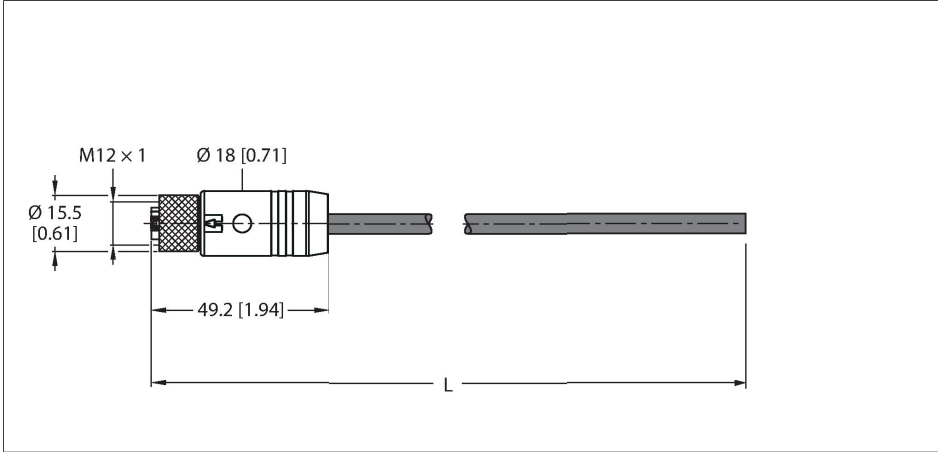


# RKS54PLB-4/TXG

## Supply Cable - M12 Power – Connection Cable



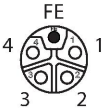
### Technical data

|                                          |                                                              |
|------------------------------------------|--------------------------------------------------------------|
| Type                                     | RKS54PLB-4/TXG                                               |
| ID                                       | 100023953                                                    |
| Connector A                              | Female, M12 × 1, Straight, L-coded                           |
| Number of pins                           | 4+FE                                                         |
| Contacts                                 | Copper-nickel, CuNi, Gold-plated                             |
| Contact carriers                         | Plastic, PBT GF, Black                                       |
| Connector body                           | Plastic, TPE, Black                                          |
| Coupling nut/screw                       | Brass, CuZn, Nickel-plated                                   |
| Seal                                     | Plastic, FPM/FKM                                             |
| Tightening torque (range)                | 0.5 ... 0.6 Nm<br>(observe max. torque of mating connector!) |
| Mechanical lifespan                      | > 100 Mating cycles                                          |
| Pollution degree                         | 3                                                            |
| Protection class                         | IP65, IP67, IP69K, Only in screwed condition                 |
| Cable                                    |                                                              |
| Cable diameter                           | Ø 12.3 mm ±0.20                                              |
| Cable length                             | 4 m                                                          |
| Cable jacket                             | PUR, Gray                                                    |
| Core insulation                          | PP                                                           |
| Core cross-section                       | 5 x 2.5 mm <sup>2</sup>                                      |
| Core colors                              | BN, WH, BU, BK, PK                                           |
| Electrical properties at +20 °C          |                                                              |
| Rated voltage                            | 50 V <sub>AC</sub> /60 V <sub>DC</sub>                       |
| Current                                  | 16 A                                                         |
| Mechanical and chemical properties       |                                                              |
| Bending radius (stationary installation) | ≥ 4 x Ø                                                      |

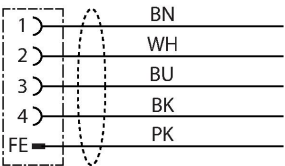
### Features

- UL LISTED
- CE
- UK CA
- IP67/ IP69K DEGREE OF PROTECTION
- M12 female connector, L-coded, straight, 5-pin (4+FE)
- Shield on coupling nut
- Jacket material: PUR
- Jacket color: gray
- Highly resistant to oils, coolants, lubricants and emulsions
- Suitable for use in drag chains
- Resistant to vibrations and shocks
- Flame retardant
- Halogen-free
- RoHS compliant
- UL approval
- Protection class: IP65, IP67, IP69K
- Cable length: 4.0 m

### Contact assignment



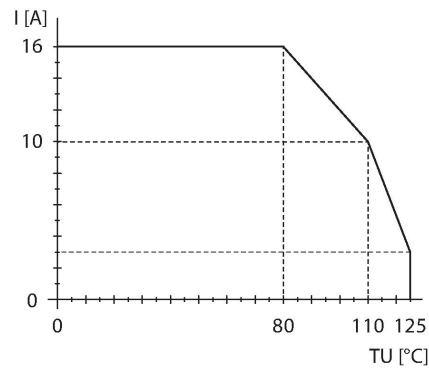
### Circuit Diagram



Technical data

|                                    |                 |
|------------------------------------|-----------------|
| Bending radius (flexible use)      | ≥ 7 x Ø         |
| Bending cycles                     | ≥ 10 million    |
| Admissible acceleration            | max. 5 m/s²     |
| Admissible travel path, horizontal | 5 m (at 5 m/s²) |
| Ambient temperature (fixed)        | -40...+80 °C    |
| Ambient temperature (mobile)       | -30...+80 °C    |
| Ambient temperature (drag chain)   | -20...+60 °C    |
| Qualified for drag chain use       | yes             |
| Halogen-free                       | yes             |
| Oil-resistant                      | yes             |
| Flame-retardant                    | yes             |
| Approvals                          | cULus           |

Derating Curve



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 |