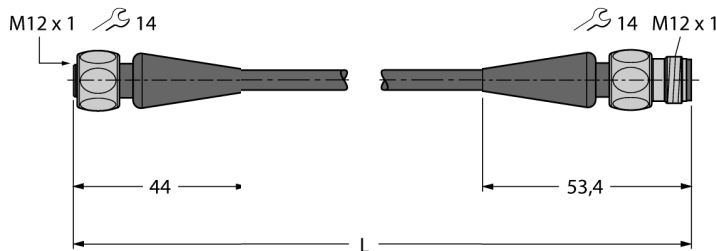


Food & Beverage Hygienic, TPE Extension Cable RKH4.4-5-RSH4.4/TFG

TURCK

Industrial
Automation



- M12 female connector, straight, 4-pin
- Stainless steel coupling nut/screw
- M12 male connector, straight, 4-pin
- Sheath material: TPE-O
- Sheath color: light gray RAL 7035
- Qualified for drag chain use
- Resistant to chemicals and microbes
- Weatherproof
- Resistant to hydrolysis acc. to DIN EN 60068-2-78
- Flexible at low temperatures
- Free from silicone and PVC
- Halogen-free acc. to DIN EN 50267-2-1, IEC 60754-1, VDE 0482-267-2-1
- Approvals: Gost, Ecolab, FDA
- RoHS and REACH compliant
- Protection classes IP67, IP69K
- Cable length: 5.0 m

Type designation

Ident no.

RKH4.4-5-RSH4.4/TFG

6933473

Connector A side

Number of pins

Contacts

Contact carriers

Grip

Coupling nut/screw

Seal

Protection class

Mechanical lifespan

Pollution degree

Tightening torque

Female connector, M12 1, Straight

4

Brass, CuZn, Gold-plated

Plastic, PP, Gray

Plastic, PP, Gray

Stainless steel, V4A

Plastic, FPM/FKM

IP67, IP69K, A + B side screwed together

> 100 Mating cycles

3

0.8 ... 1 Nm

(observe max. torque of counter piece!)

Connector B side

Number of pins

Contacts

Contact carriers

Grip

Coupling nut/screw

Protection class

Mechanical lifespan

Pollution degree

Tightening torque

Connector, M12 x 1, Straight

4 pins

brass, CuZn, Gold-plated

Plastic, PP, Gray

plastic, PP, gray

Stainless steel, V4A

IP67, IP69K, Only when screwed tight

> 100 Mating cycles

3

0.8 ... 1 Nm

(observe max. torque of counter piece!)

General data

Cable diameter

Cable length

Cable quality

Cable color

Core insulation

Core colors

Core cross-section

Arrangement of strands

4.6 ± 0.15mm

5 m

TPE-O

Gray

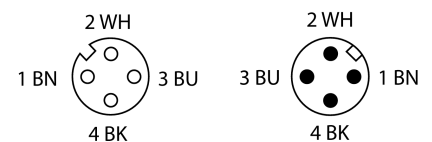
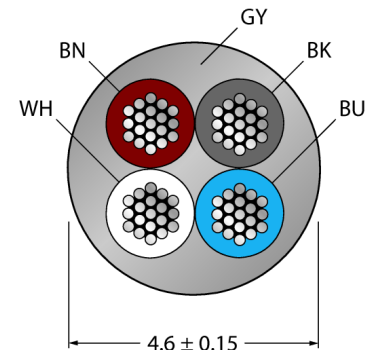
TPE-E

BN, WH, BU, BK

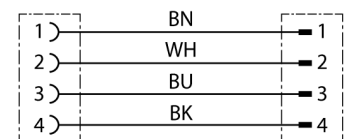
4x0.34mm²

42x0.1 mm

Cable Cross-section



Circuit Diagram



Electrical features at +20 °C

Current

Rated voltage

Nom. Inductance

Nom. capacitance

Test voltage

4 A

250 V

0.73 mH/km

82 pF/m

2000 V

Food & Beverage Hygienic, TPE Extension Cable RKH4.4-5-RSH4.4/TFG

TURCK

Industrial
Automation

Mechanical and chemical properties

Max. tensile strength (static)	$\leq 50 \text{ N/mm}^2$
Max. tensile strength (dynamic)	$\leq 20 \text{ N/mm}^2$
Bending cycles	$> 4 \text{ mil.}$
Bending radius (stationary laying)	$> 5 \times \varnothing$
Bending radius (flexible use)	$> 10 \times \varnothing$
Admissible acceleration	max. 5 m/s^2
Admissible travel path, horizontal	5 m (at 5 m/s^2)
Admissible travel path, vertical	2 m (at 5 m/s^2)
Admissible traversing speed	3 m/s
Torsional stress	$\pm 180^\circ/\text{m}$
Ambient temperature	
Stationary	$-40 \dots +105^\circ\text{C}$
In motion	$-25 \dots +105^\circ\text{C}$
Drag chain operation	$-25 \dots +60^\circ\text{C}$