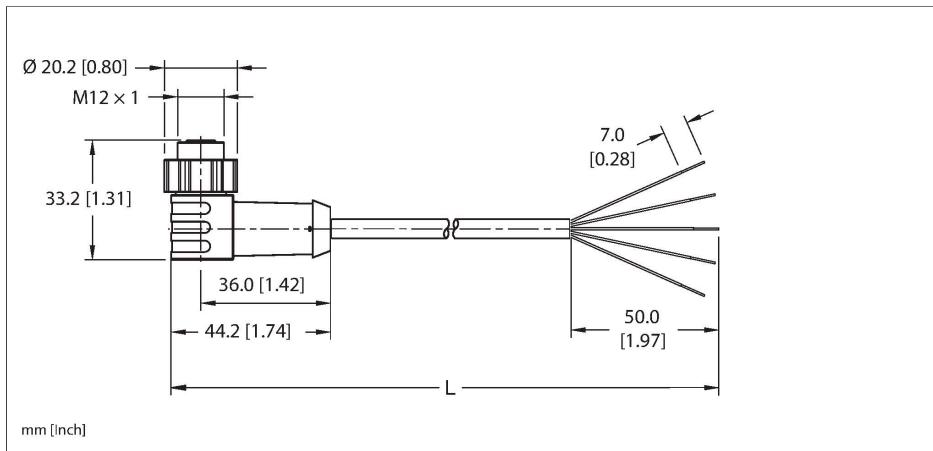


EKWL001-A5.500-FE8Y-5

Actuator and Sensor Cable – Connection Cable



Technical data

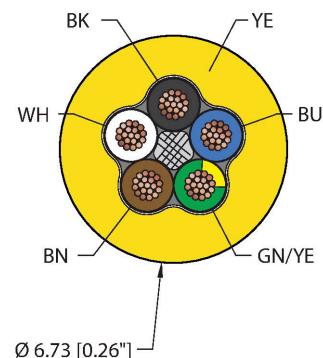
| | |
|---------------------------------|---|
| Type | EKWL001-A5.500-FE8Y-5 |
| ID | 100045758 |
| Replaces | WKCV 4.5T-x/S101 |
| Connector A | Female, M12 x 1, Right angle, A-code |
| Design specification | Acc. to IEC 61076-2-101 |
| Number of contacts | 5 |
| Contacts | Bronze, CuSn, Gold-plated |
| Contact carriers | Plastic, Nylon or TPU, Black |
| Connector body | Plastic, TPU, Yellow |
| Coupling nut | Stainless Steel, 316L (1.4404), Passivated |
| Connector seal | O-ring, Plastic, FKM/FPM |
| Torque sleeve | Plastic, PA, Yellow |
| Tightening torque (range) | 0.4 ... 1.8 Nm (note max. torque of mating connector!) |
| Mechanical life | > 100 Mating cycles |
| Pollution degree | 3 |
| Protection class (When coupled) | IP67, IP68, IP69, IP69K NEMA: 1, 3, 4, 4X, 6P, 12 |
| Cable data | |
| Cable ID | RF51174 |
| Total number of conductors | 5 |
| Cable diameter | Ø 6.73 mm |
| Length (L) | 5 m, (+50mm or 4% of length/-0.0, Whichever is greater) |

Features



- M12, Female, Right angle, 5-pin, Torque sleeve
- Flexlife™ Cable
- Yellow TPE jacket, 5X18 AWG
- 40 Cold Bend Rating
- Flame Ratings: UL1061, CSA FT1
- Flexlife® and C-Track Approved

Cable cross section

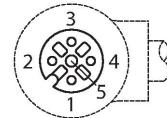


Contact assignment

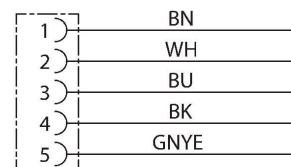
Technical data

| | |
|--|--|
| Cable jacket | TPE, Yellow |
| Conductor diameter | 0.069 " |
| Conductor material | TC (tinned copper) |
| Conductor insulation material | TPC-ET |
| Conductor size | 5 x 18 AWG [Similar to 0.75 mm ²] |
| Number of strands x O.D. | 65 x 36 AWG |
| Conductor colors | BK, BU, GN/YE, BN, WH |
| Electrical properties at +20 °C | |
| Rated voltage | 250 V _{AC} /300 V _{DC} |
| Current | 5 A |
| Mechanical and chemical properties | |
| Bending radius (static) | ≥ 5 x Ø |
| Bending radius (dynamic) | ≥ 10 x Ø |
| Torsion rating | Max. 20 million |
| UL cold bend rating | -40 °C |
| Flex rating 10 x Ø | 20 million cycles |
| *When properly installed @ 20°C, 50%RH, and a cycle speed of ≤0.5 cycles per second. | |
| C-Track | Yes |
| Ambient temperature range (static) | -40...+105 °C |
| Ambient temperature range (dynamic) | 5...+105 °C |
| Temperature range (installation) | -10...+105 °C |
| Approval | |
| Approvals | UL 2238 CSA C22.2 No. 182.3 CE UKCA RoHS |
| Note | |
| <ul style="list-style-type: none"> - Flex ratings may be reduced if used in extreme temperatures, exposure to certain chemicals, operating above the rated cycle speed, or operating below the rated cable bend radius. | |
| <ul style="list-style-type: none"> - The torque sleeve can be removed, before or after installation by inserting a small flat screwdriver near the relief by the arrow and prying. | |
| <ul style="list-style-type: none"> - We reserve the right to make technical alterations without prior notice. | |

Connector A



Circuit Diagram



Accessories

M12-TORQUE-SLEEVE,YELLOW(10PACK)

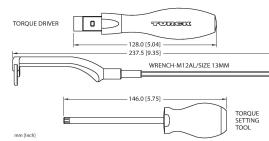
A900167



10 Pack of Yellow Torque Sleeves for the new M12 cordsets. Compatible with male, female, straight and right-angled, stainless steel and nickel-plated brass coupling nuts.

TORQUE-WRENCH-SET-M12/SW13

A900152

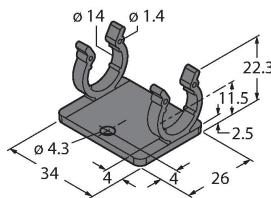


Adjustable torque driver to connect to the 13mm hex. Compatible with redesigned M12 cordsets, M12 Power, and M12 X-code. NOT Compatible with legacy M12 cordsets. Includes (1) adjustable torque driver, (1) adjustment tool, and (1) 13mm forked bit.

Accessories

M12-CORDSETS-MOUNTING-CLIP-(10/BAG)

100016882



10 Pack of black mounting clips and M4x8mm mounting screws, used to secure cable to cable connection points.