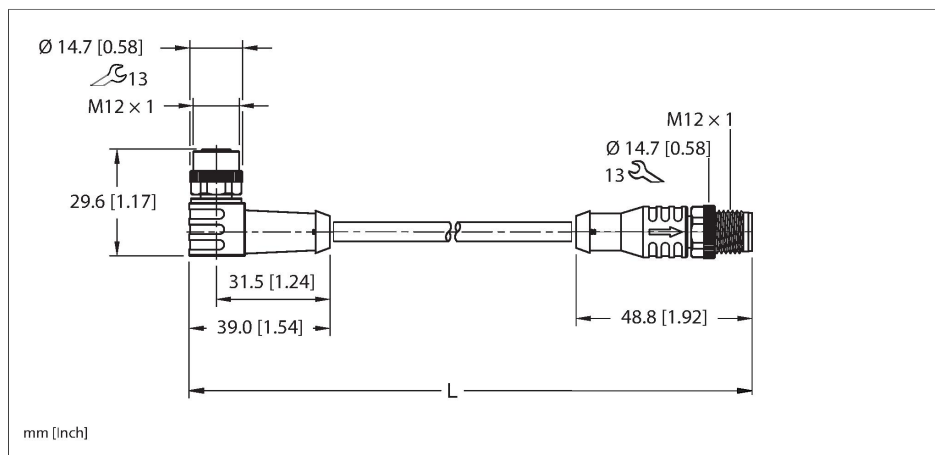


# EKWB-ESRB-A4.400-WA2Y-1

## Welding Cordset – Extension Cable



### Technische Daten

|                                 |                                                           |
|---------------------------------|-----------------------------------------------------------|
| Type                            | EKWB-ESRB-A4.400-WA2Y-1                                   |
| ID                              | 100036267                                                 |
| Replaces                        | WK 4.4T-x-RS 4.4T/S3415                                   |
| Connector A                     | Female, M12 × 1, Right angle, A-code                      |
| Design specification            | Acc. to IEC 61076-2-101                                   |
| Number of contacts              | 4                                                         |
| Contacts                        | Bronze, CuSn, Gold-plated                                 |
| Contact carriers                | Plastic, Nylon or TPU, Black                              |
| Connector body                  | Plastic, TPU, Black                                       |
| Coupling nut                    | Brass, CuZn, Nickel-plated                                |
| Connector seal                  | O-ring, Plastic, FKM/FPM                                  |
| Tightening torque (range)       | 0.4 ... 1.8 Nm<br>(note max. torque of mating connector!) |
| Mechanical life                 | > 100 Mating cycles                                       |
| Pollution degree                | 3                                                         |
| Protection class (When coupled) | IP67                                                      |
| Connector B                     | Male, M12 × 1, Straight, A-code                           |
| Design specification            | Acc. to IEC 61076-2-101                                   |
| Number of contacts              | 4                                                         |
| Contacts                        | Bronze, CuSn, Gold-plated                                 |
| Contact carriers                | Plastic, Nylon or TPU, Black                              |
| Connector body                  | Plastic, TPU, Black                                       |
| Coupling nut                    | Brass, CuZn, Nickel-plated                                |
| Tightening torque               | 0.4 ... 1.8 Nm<br>(note max. torque of mating connector!) |

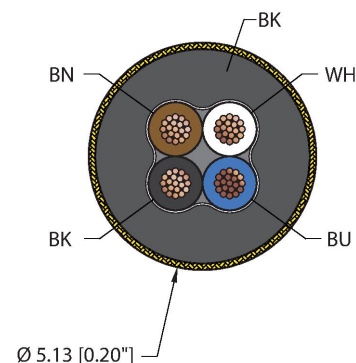


### Features



- M12, Female, Right angle, 4-pin
- M12, Male, Straight, 4-pin
- Welding Cable
- Yellow Aramid braid over cable jacket
- Black TPE jacket, 4X22 AWG
- Flame Ratings: UL1061, CSA FT1

### Cable cross section

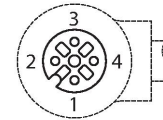


### Contact assignment

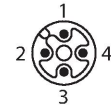
## Technische Daten

|                                                                                                                                                                                                                                                                               |                                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|
| Mechanical life                                                                                                                                                                                                                                                               | > 100 Mating cycles                                  |
| Pollution degree                                                                                                                                                                                                                                                              | 3                                                    |
| Protection class (When coupled)                                                                                                                                                                                                                                               | IP67                                                 |
| <b>Cable data</b>                                                                                                                                                                                                                                                             |                                                      |
| Cable ID                                                                                                                                                                                                                                                                      | RF52454                                              |
| Total number of conductors                                                                                                                                                                                                                                                    | 4                                                    |
| Cable diameter                                                                                                                                                                                                                                                                | Ø 5.13 mm                                            |
| Length (L)                                                                                                                                                                                                                                                                    | 1 m                                                  |
| Cable jacket                                                                                                                                                                                                                                                                  | TPE, Black                                           |
| Cable jacket covering                                                                                                                                                                                                                                                         | Aramid braid, Yellow, 100 % coverage                 |
| Conductor diameter                                                                                                                                                                                                                                                            | 0.048 "                                              |
| Conductor material                                                                                                                                                                                                                                                            | TC (tinned copper)                                   |
| Conductor insulation material                                                                                                                                                                                                                                                 | PVC                                                  |
| Conductor size                                                                                                                                                                                                                                                                | 4 x 22 AWG [Similar to 0.34 mm <sup>2</sup> ]        |
| Number of strands x O.D.                                                                                                                                                                                                                                                      | 19 x 0.0058 "                                        |
| Conductor colors                                                                                                                                                                                                                                                              | BN, WH, BU, BK                                       |
| <b>Electrical properties at +20 °C</b>                                                                                                                                                                                                                                        |                                                      |
| Rated voltage                                                                                                                                                                                                                                                                 | 250 V <sub>AC</sub> /300 V <sub>DC</sub>             |
| Current                                                                                                                                                                                                                                                                       | 4 A                                                  |
| <b>Mechanical and chemical properties</b>                                                                                                                                                                                                                                     |                                                      |
| Bending radius (static)                                                                                                                                                                                                                                                       | ≥ 5 x Ø                                              |
| Bending radius (dynamic)                                                                                                                                                                                                                                                      | ≥ 10 x Ø                                             |
| Ambient temperature range (static)                                                                                                                                                                                                                                            | -40...+105 °C                                        |
| Ambient temperature range (dynamic)                                                                                                                                                                                                                                           | 5...+105 °C                                          |
| Temperature range (installation)                                                                                                                                                                                                                                              | -10...+105 °C                                        |
| <b>Approval</b>                                                                                                                                                                                                                                                               |                                                      |
| Approvals                                                                                                                                                                                                                                                                     | UL 2238<br>CSA C22.2 No. 182.3<br>CE<br>UKCA<br>RoHS |
| <b>Note</b>                                                                                                                                                                                                                                                                   |                                                      |
| <p>- 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.</p> <p>- We reserve the right to make technical alterations without prior notice.</p> |                                                      |

Connector A



Connector B



## Circuit Diagram



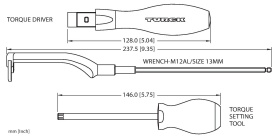
Montagezubehör

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.

Montagezubehör

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.