

# RKSW 458-15M

## PROFIBUS Cable – PUR Cable Jacket

### Features

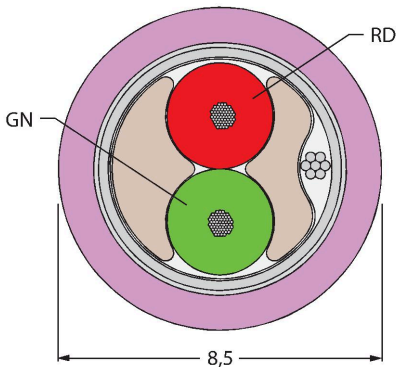


- Jacket material: PUR
- Jacket color: violet
- Suitable for drag chain use
- UL approval
- Protection class: IP67
- End open
- M12 female connector, straight, reverse-keyed
- Cable length: 15 m

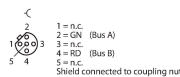
### Technical data

|                                 |                                                            |
|---------------------------------|------------------------------------------------------------|
| Type                            | RKSW 458-15M                                               |
| ID                              | U7334-102                                                  |
| Connector A                     | Female, M12 × 1, Straight, B-coded                         |
| Number of pins                  | 5                                                          |
| Contacts                        | Metal, CuZn, Gold-plated                                   |
| Contact carriers                | Plastic, TPU, Black                                        |
| Connector body                  | Plastic, TPU, Black                                        |
| Coupling nut/screw              | Brass, CuZn, Nickel-plated                                 |
| Seal                            | Plastic, FPM/FKM                                           |
| Tightening torque (range)       | 0.8 ... 1 Nm<br>(observe max. torque of mating connector!) |
| Mechanical lifespan             | > 100 Mating cycles                                        |
| Pollution degree                | 3                                                          |
| Protection class                | IP67, IP69K, Only in screwed condition                     |
| Cable                           |                                                            |
| Network protocol                | PROFIBUS-DP, 458                                           |
| Cable diameter                  | Ø 8.5 mm ±0.30                                             |
| Cable length                    | 15 m                                                       |
| Cable jacket                    | PUR, Violet                                                |
| Shielding                       | Aluminum foil, tinned copper wire                          |
| Core insulation                 | PE                                                         |
| Core cross-section              | 2 x 0.34 mm²                                               |
| Arrangement of strands          | 65 x 0.079 mm                                              |
| Core colors                     | GN, RD                                                     |
| Electrical properties at +20 °C |                                                            |
| Rated voltage                   | 250 V                                                      |

### Cable Cross-Section



### Contact assignment



## Technical data

|                                                                              |                              |
|------------------------------------------------------------------------------|------------------------------|
| Current                                                                      | 4 A                          |
| DC resistance (loop)                                                         | 50 $\Omega$ /km              |
| Nom. impedance                                                               | 150 $\Omega$ (1MHz)          |
| Nom. capacitance                                                             | 29.53 pF/m                   |
| Mechanical and chemical properties                                           |                              |
| Bending radius (stationary installation)                                     | $\geq 5 \times \varnothing$  |
| Bending radius (flexible use)                                                | $\geq 15 \times \varnothing$ |
| Bending cycles                                                               | $\geq 10$ million            |
| Torsional stress                                                             | $\pm 180$ °/m                |
| Ambient temperature (fixed)                                                  | -40...+80 °C                 |
| Ambient temperature (mobile)                                                 | -40...+60 °C                 |
| Ambient temperature (drag chain)                                             | -25...+60 °C                 |
| Other Features                                                               |                              |
| Qualified for drag chain use                                                 | yes                          |
| Halogen-free                                                                 | no                           |
| UV resistance                                                                | yes                          |
| Flame-retardant                                                              | yes                          |
| Approvals                                                                    | UL<br>CSA                    |
| Note                                                                         |                              |
| - We reserve the right to make technical modifications without prior notice. |                              |