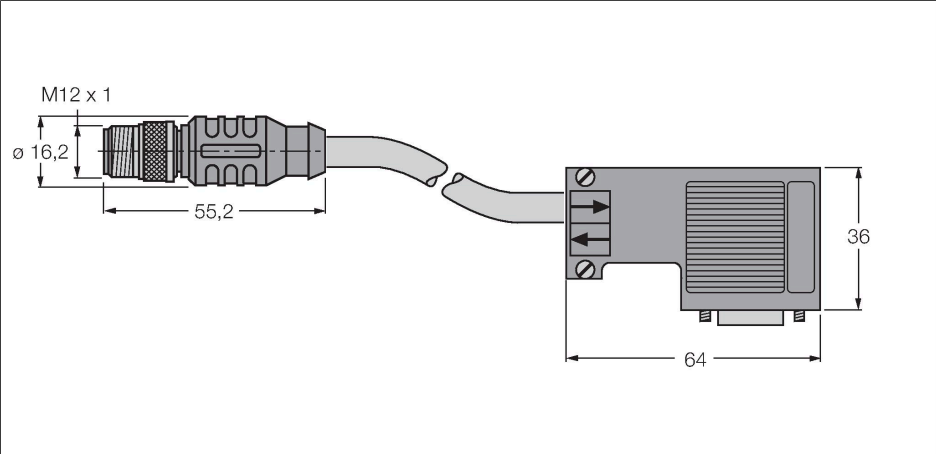


RSSW D9S/T 455-4M  
PROFIBUS Cable – PVC Cable Jacket



Technical data

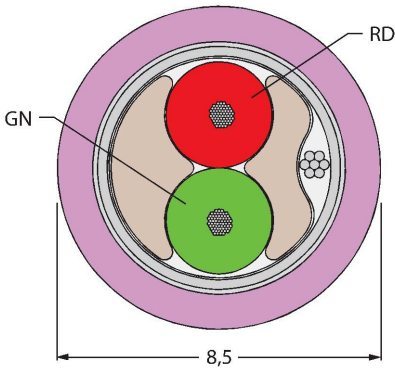
|                           |                                                            |
|---------------------------|------------------------------------------------------------|
| Type                      | RSSW D9S/T 455-4M                                          |
| ID                        | U0376-0                                                    |
| Connector A               | Male, 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                                 |
| 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, Only in screwed condition                            |
| Connector B               | Male, D-Sub, Angled                                        |
| Number of Pins            | 9                                                          |
| Connector body            | Black                                                      |
| Protection class          | IP20, Only when screwed together                           |
| Cable                     |                                                            |
| Network protocol          | PROFIBUS-DP, 455                                           |
| Cable diameter            | Ø 8.5 mm ±0.15                                             |
| Cable length              | 4 m                                                        |
| Cable jacket              | PVC, Violet                                                |
| Shielding                 | Aluminum foil, tinned copper wire                          |
| Core insulation           | PE                                                         |
| Core cross-section        | 2 x 0.34 mm²                                               |
| Arrangement of strands    | 19 x 0.15 mm                                               |
| Core colors               | GN, RD                                                     |

Features



- PROFIBUS cable: AWG 22/1
- Jacket material: PVC, color: violet
- Jacket diameter: 8.5 mm
- UL approval
- M12 × 1 male, straight, reverse-keyed
- SUB-D with 1 cable outlet
- Integrated terminating resistor
- Cable length: 4.0 m

Cable Cross-Section



Contact assignment



Technical data

|                                                                              |               |
|------------------------------------------------------------------------------|---------------|
| Electrical properties at +20 °C                                              |               |
| Rated voltage                                                                | 250 V         |
| Current                                                                      | 4 A           |
| DC resistance (loop)                                                         | 50 Ω/km       |
| Nom. impedance                                                               | 150 Ω (1 MHz) |
| Nom. capacitance                                                             | 29.53 pF/m    |
| Mechanical and chemical properties                                           |               |
| Bending radius (stationary installation)                                     | ≥ 5 x Ø       |
| Bending radius (flexible use)                                                | ≥ 15 x Ø      |
| Ambient temperature (fixed)                                                  | -40...+80 °C  |
| Ambient temperature (mobile)                                                 | -40...+80 °C  |
| Other Features                                                               |               |
| Qualified for drag chain use                                                 | no            |
| Halogen-free                                                                 | no            |
| UV resistance                                                                | yes           |
| Oil-resistant                                                                | no            |
| Flame-retardant                                                              | yes           |
| Approvals                                                                    | UL<br>CSA     |
| Note                                                                         |               |
| - We reserve the right to make technical modifications without prior notice. |               |