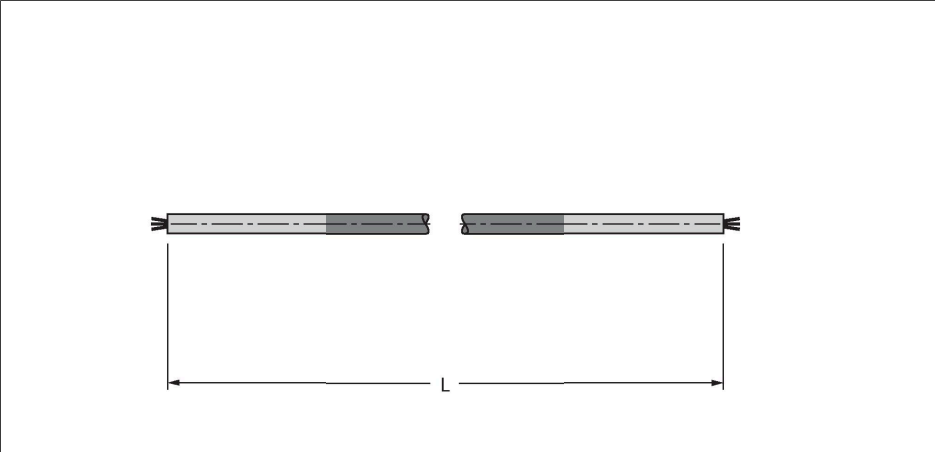


# Cable452-500M

## PROFIBUS Cable – PVC Cable Jacket



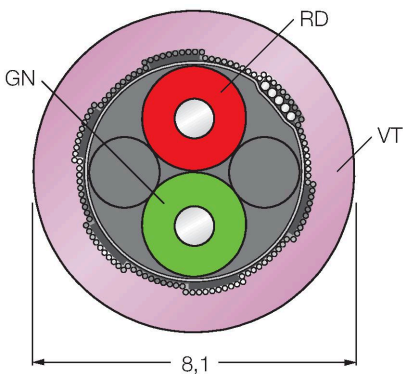
### Technical data

|                                          |                                   |
|------------------------------------------|-----------------------------------|
| Type                                     | Cable452-500M                     |
| ID                                       | 6611476                           |
| Cable                                    |                                   |
| Network protocol                         | PROFIBUS-DP, 452                  |
| Cable diameter                           | Ø 8.1 mm                          |
| Cable length                             | 500 m                             |
| Cable jacket                             | PVC, Violet                       |
| Shielding                                | Aluminum foil, tinned copper wire |
| Core insulation                          | PE                                |
| Core cross-section                       | 2 x 0.34 mm²                      |
| Core colors                              | GN, RD                            |
| Electrical properties at +20 °C          |                                   |
| Rated voltage                            | 300 V                             |
| Current                                  | 4 A                               |
| DC resistance (loop)                     | 110 Ω/km                          |
| Nom. impedance                           | 150 Ω (3...20 MHz)                |
| Nom. capacitance                         | 30 pF/m                           |
| Nom. Inductance                          | 0.9 mH/km                         |
| Damping                                  | 40 dB/km at 16.0 MHz              |
| Mechanical and chemical properties       |                                   |
| Max. tensile strength (static)           | ≤ 80 N/mm²                        |
| Bending radius (stationary installation) | ≥ 8 x Ø                           |
| Ambient temperature (fixed)              | -40...+70 °C                      |
| Ambient temperature (mobile)             | -5...+50 °C                       |
| Other Features                           |                                   |
| Qualified for drag chain use             | no                                |
| Halogen-free                             | no                                |

### Features

- PROFIBUS cable: AWG 22/1
- Jacket material: PVC, color: violet
- Jacket diameter: 8.1 mm
- UL approval
- Oil resistant
- UV resistant
- End open
- Open end
- Cable length: 500 m

### Cable Cross-Section



## Technical data

|                 |                               |
|-----------------|-------------------------------|
| UV resistance   | Acc. to UL 1581, section 1200 |
| Oil-resistant   | yes                           |
| Flame-retardant | according to IEC 60332-3      |
| Approvals       | UL                            |