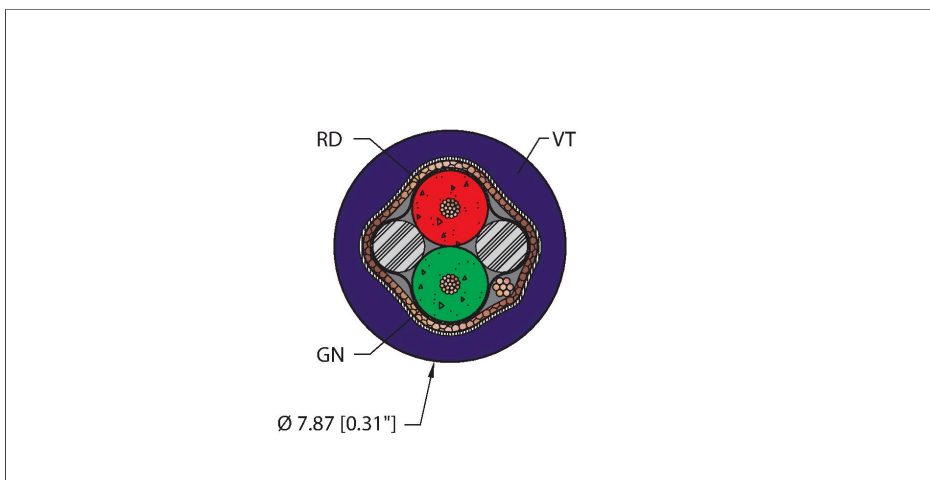


# VIO,TPU,2X22,S-FDB,AWM,DP

## Fieldbus Technology Cable – Reelfast™ Bulk Cable



### Features



- UL/CSA AWM 600V
- Fieldbus Technology Cable
- fieldbus type: PROFIBUS-DP, TPU jacket, Violet, shielded, 2X22 AWG
- -40 Cold Bend Rating
- Flame Ratings: UL1061, CSA FT1

### Technical data

|                                        |                                               |
|----------------------------------------|-----------------------------------------------|
| Type                                   | VIO,TPU,2X22,S-FDB,AWM,DP                     |
| ID no.                                 | RF50683                                       |
| <b>Cable data</b>                      |                                               |
| Cable Platform                         | Fieldbus Technology Cable                     |
| Fieldbus                               | PROFIBUS-DP, 456                              |
| Total number of conductors             | 2                                             |
| Cable diameter                         | Ø 7.87 mm                                     |
| Cable jacket                           | TPU, Violet                                   |
| Shield                                 | Aluminum/polyester (OUT)                      |
| Braid material                         | 36 AWG, TC (Tinned Copper), 65% coverage      |
| Cable drain                            | 22 AWG TC (Tinned Copper)                     |
| Conductor diameter                     | 0.11 "                                        |
| Conductor material                     | TC (tinned copper)                            |
| Conductor insulation material          | Foamed HDPE                                   |
| Conductor size                         | 2 x 22 AWG [Similar to 0.34 mm <sup>2</sup> ] |
| Number of strands x O.D.               | 19 x 0.0058 "                                 |
| Conductor colors                       | RD, GN                                        |
| Weight                                 | 0.148 lbs. /meter                             |
| <b>Electrical properties at +20 °C</b> |                                               |
| Voltage                                | UL/CSA AWM 600V                               |
| Dielectric withstand (min.)            | 2 KVAC                                        |
| DC resistance (max)                    | 17.5 Ω/1000ft max.                            |
| Nom. Capacitance                       | 9 pF/ft nom. @ 1 MHz                          |

## Technical data

|                                                                                                                                                                                                                                                                               |                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| Nom. Impedance                                                                                                                                                                                                                                                                | 150 $\Omega \pm 10\%$ @ 1 MHz |
| <b>Mechanical and chemical properties</b>                                                                                                                                                                                                                                     |                               |
| Bending radius (static)                                                                                                                                                                                                                                                       | $\geq 5 \times \varnothing$   |
| Bending radius (dynamic)                                                                                                                                                                                                                                                      | $\geq 15 \times \varnothing$  |
| Cold bend rating                                                                                                                                                                                                                                                              | -40 °C                        |
| Ambient temperature range (static)                                                                                                                                                                                                                                            | -40 °C...+80 °C               |
| Ambient temperature range (dynamic)                                                                                                                                                                                                                                           | -40 °C...+80 °C               |
| Temperature range (installation)                                                                                                                                                                                                                                              | -20 °C...+80 °C               |
| <b>Approval</b>                                                                                                                                                                                                                                                               |                               |
| UL Approvals                                                                                                                                                                                                                                                                  | UL 758 AWM 21029              |
| CSA Approvals                                                                                                                                                                                                                                                                 | CSA AWM I/II A/B<br>CSA FT1   |
| Compliances                                                                                                                                                                                                                                                                   | RoHS<br>CE                    |
| <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> |                               |