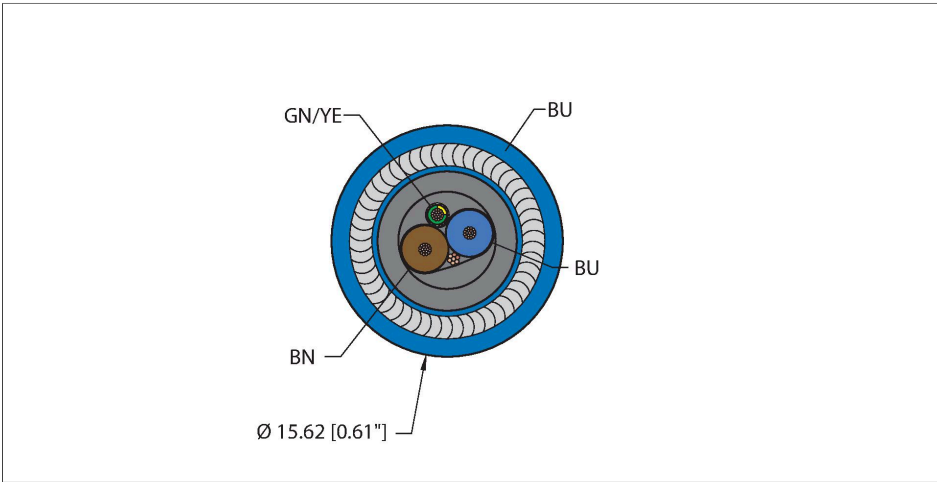


# BLU,PVC,1STPDX18+1X18,IAA,ITCERDB,FF Fieldbus Technology Cable – Reelfast™ Bulk Cable



## Features

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- Shielded Twisted Pair
- Interlocked Aluminum Armor
- Fieldbus Technology Cable
- fieldbus type: FOUNDATION™ fieldbus, Blue PVC jacket, cable armor: IAA, 1STPDX18+1X18 AWG
- Sunlight Resistant
- -40 Cold Bend Rating
- Oil Resistant
- Flame Ratings: UL 1685 FT4, UL1061, CSA FT4
- ITC 150V
- PLTC 300V
- ACIC 300V

## Technical data

|                               |                                      |
|-------------------------------|--------------------------------------|
| Type                          | BLU,PVC,1STPDX18+1X18,IAA,ITCERDB,FF |
| ID                            | RF50803                              |
| <b>Cable data</b>             |                                      |
| Cable Platform                | Fieldbus Technology Cable            |
| Fieldbus                      | FOUNDATION fieldbus, 492BA/482BA     |
| Total number of conductors    | 3                                    |
| Cable diameter                | Ø 15.62 mm                           |
| Cable jacket                  | PVC, Blue                            |
| Aarmor                        | IAA                                  |
| Diameter                      | 12.7                                 |
| Inner jacket                  | PVC,Black                            |
| Conductor diameter            | 0.086 "                              |
| Conductor material            | TC (tinned copper)                   |
| Conductor insulation material | PVC/Nylon (Nylon overcoat)           |
| Conductor size                | 1 x 18 AWG [Similar to 0.75 mm²]     |
| Number of strands x O.D.      | 19 x 0.0092 "                        |
| Conductor colors              | BU, BN, GN/YE                        |
| <b>Sub assembly 1</b>         |                                      |
| Description of assembly       | STPD (Shielded Twisted Pair, Drain)  |
| Number of pairs               | 1                                    |
| Conductor diameter            | 0.106 "                              |
| Conductor insulation material | XLPE                                 |
| Assembly drain                | 20 AWG, TC (Tinned Copper)           |
| Assembly foil                 | Aluminum/polyester (IN)              |

## Technical data

|                                           |                                                                                                                                                                                      |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cable conductor cross-section             | 2x18 AWG [Similar to 0.75 mm²]                                                                                                                                                       |
| Number of strands x O.D.                  | 19x0.0092 "                                                                                                                                                                          |
| Weight                                    | 0.613 lbs. /meter                                                                                                                                                                    |
| <b>Electrical properties at +20 °C</b>    |                                                                                                                                                                                      |
| Voltage                                   | ITC 150V<br>PLTC 300V<br>ACIC 300V                                                                                                                                                   |
| Dielectric withstand (min.)               | 2 KVAC                                                                                                                                                                               |
| DC resistance (max)                       | 7.06 Ω/1000ft nom.                                                                                                                                                                   |
| Nom. Inductance                           | 0.22 µH/ft nom.                                                                                                                                                                      |
| Nom. Capacitance                          | 20 pF/ft nom. @ 31.25 kHz                                                                                                                                                            |
| Nom. Impedance                            | 100 Ω ± 20% @ 31.25 kHz                                                                                                                                                              |
| <b>Mechanical and chemical properties</b> |                                                                                                                                                                                      |
| Bending radius (static)                   | ≥ 14 x Ø                                                                                                                                                                             |
| UL cold bend rating                       | -40 °C<br>(Armor diameter)                                                                                                                                                           |
| Ambient temperature range (static)        | -40...+105 °C                                                                                                                                                                        |
| Ambient temperature range (dynamic)       | 5...+105 °C                                                                                                                                                                          |
| Temperature range (installation)          | -20...+105 °C                                                                                                                                                                        |
| <b>Approval</b>                           |                                                                                                                                                                                      |
| UL Approvals                              | UL 2250 ITC<br>UL 13 PLTC<br>Exposed Run<br>Direct Burial<br>Sunlight Resistant<br>-40C Cold Bend<br>Oil Res I                                                                       |
| CSA Approvals                             | CSA C22.2 No.239 ACIC<br>Hazardous Location-ABCD<br>CSA FT1<br>CSA FT4<br>Sunlight Resistant                                                                                         |
| Compliances                               | RoHS<br>CE                                                                                                                                                                           |
| <b>Note</b>                               |                                                                                                                                                                                      |
|                                           | - 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. |
|                                           | - We reserve the right to make technical alterations without prior notice.                                                                                                           |