



Product: [123079E](#)

Profibus, 1 Pr #22 Str BC, PE Ins, OS+TC Brd, PVC jkt, AIA, PVC Jkt, PLTC CM Profibus DP

### Product Description

Profibus, 1 Pair 22AWG (7x30) Bare Copper, PE Insulation, Overall Beldfoil®+Tinned Copper Braid(65%) Shield, PVC Inner Jacket, Aluminum Interlock Armor, PVC Outer Jacket, PLTC CM SUN RES Profibus DP

### Technical Specifications

#### Product Overview

|                        |  |
|------------------------|--|
| Suitable Applications: | exposure to rodent, crush, or cut through force, harsh environment, outdoors, data transmission applications such as Profibus DP or PA, Instrumentation and computer cable, etc. exposure to temperature extremes, humidity/moisture, dust, and oil. |
|------------------------|--|

#### Construction Details

##### Conductor

| Element | No. of Elements | Size   | Stranding | Material         |
|---------|-----------------|--------|-----------|------------------|
| Pair(s) | 1               | 22 AWG | 7x30      | BC - Bare Copper |

##### Insulation

| Element | Material                 | Nom. Thickness     | Color Code  | Notes                         |
|---------|--------------------------|--------------------|-------------|-------------------------------|
| Pair(s) | PE - Polyethylene (Foam) | 0.035 in (0.89 mm) | Red & Green | Flame Retardant, Foam w/ skin |

##### Outer Shield

| Shield Type | Material                | Coverage |
|-------------|-------------------------|----------|
| Tape        | Bi-Laminate (Alum+Poly) | 100%     |
| Braid       | Tinned Copper (TC)      | 65%      |

##### Inner Jacket

| Material                 | Nom. Diameter      |
|--------------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.314 in (7.98 mm) |

##### Armor

| Armor Type & Material          |
|--------------------------------|
| AIA - Aluminum Interlock Armor |

##### Outer Jacket

| Material                 | Nom. Thickness    | Nom. Diameter      |
|--------------------------|-------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.045 in (1.1 mm) | 0.608 in (15.4 mm) |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.608 in (15.4 mm) |
|-----------------------------------|--------------------|

#### Electrical Characteristics

##### Electricals

| Element | Nom. Characteristic Impedance | Nom. Velocity of Prop. |
|---------|-------------------------------|------------------------|
| Pair(s) | 150 Ohm                       | 78%                    |

##### High Frequency (Nominal/Typical)

| Element |
|---------|
| Pair(s) |

## Voltage

|                          |
|--------------------------|
| <b>UL Voltage Rating</b> |
| 300 V (CM, PLTC)         |

## Standards and Compliance

|                            |                                    |
|----------------------------|------------------------------------|
| Environmental Suitability: | Outdoor, Sunlight Resistance       |
| NEC / UL Compliance:       | Article 725, Article 800, CM, PLTC |
| CEC / C(UL) Compliance:    | CM                                 |

## History

|                      |   |
|----------------------|---|
| Update and Revision: | Revision Number: 0.60 Revision Date: 02-15-2024 |
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