



**Product:** [3079Z](#)

Profibus, 1 Pr #22 Sol BC, PE Ins, OS+TC Brd, LSZH-TS Jkt, PLTC-ST1 CMG-ST1 Profibus DP

[Request Sample](#)

**Product Description**

Profibus, 1 Pair 22AWG (Solid) Bare Copper, PE Insulation, Overall Beldfoil®+Tinned Copper Braid(65%) Shield, Low Smoke Zero Halogen Thermoset Outer Jacket, PLTC-ST1 CMG-ST1 SUN RES Profibus DP

**Technical Specifications**

**Product Overview**

|                        |  |
|------------------------|--|
| Suitable Applications: | shipboard, 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 | Number of Element | Size   | Stranding | Material         |
|---------|-------------------|--------|-----------|------------------|
| Pair(s) | 1                 | 22 AWG | Solid     | 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%      |

**Outer Jacket**

| Material   | Nom. Thickness     | Nom. Diameter      |
|--|--------------------|--------------------|
| LSZH - Low Smoke Zero Halogen (Flame Retardant, Thermoset) | 0.100 in (2.54 mm) | 0.430 in (10.9 mm) |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.430 in (10.9 mm) |
|-----------------------------------|--------------------|

**Electrical Characteristics**

**Electricals**

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

**High Frequency (Nominal/Typical)**

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

**Voltage**

| UL Voltage Rating         |
|---------------------------|
| 300 V (CMG-ST1, PLTC-ST1) |

**Mechanical Characteristics**

**Temperature**

| UL Temperature | Operating      |
|----------------|----------------|
| 75°C           | -20°C to +75°C |

|                    |                           |
|--------------------|---------------------------|
| Bulk Cable Weight: | 92 lbs/1000ft (140 kg/km) |
|--------------------|---------------------------|

## Standards and Compliance

|                                  |   |
|----------------------------------|---|
| Flammability / Reaction to Fire: | IEC 60332-1-2                               |
| CPR Compliance:                  | CPR Euroclass: Eca                          |
| NEC / UL Compliance:             | Article 725, Article 800, CMG-ST1, PLTC-ST1 |

## Product Notes

|        |                        |
|--------|------------------------|
| Notes: | Siemens Sinec L2 Cable |
|--------|------------------------|

## History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.267 Revision Date: 04-08-2022 |
|----------------------|--|

## Part Numbers

### Variants

| Item #        | Color | UPC          |
|---------------|-------|--------------|
| 3079Z 0105000 | Black | 612825140467 |

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