



Product: [3079A](#)

Profibus, 1 Pr #22 Sol BC, PE Ins, OS+TC Brd, PVC Jkt, PLTC CMG Profibus DP

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Product Description

Profibus, 1 Pair 22AWG (Solid) Bare Copper, PE Insulation, Overall Beldfoil®+Tinned Copper Braid(65%) Shield, PVC Outer Jacket, PLTC CMG AWM 20201 SUN RES Profibus DP

Technical Specifications

| | |
|------------------------|---|
| Suitable Applications: | 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. |
|------------------------|---|

Conductor

| Element | Number of Element | AWG | Stranding | Material |
|---------|-------------------|-----|-----------|------------------|
| Pair(s) | 1 | 22 | Solid | BC - Bare Copper |

Insulation

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

Outer Shield Material

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

Outer Jacket Material

| Material | Thickness | Nom. Diameter |
|--------------------------|-----------|---------------|
| PVC - Polyvinyl Chloride | 0.043 in | 0.315 in |

| | |
|---------------------------|----------|
| Cable Diameter (Nominal): | 0.315 in |
|---------------------------|----------|

Electricals

| Element | Nom. Conductor DCR | Characteristic Impedence | Max. Current |
|---------|--------------------|--------------------------|------------------------|
| Pair(s) | 16 Ohm/1000ft | 150 Ohm | 2.3 Amps per Conductor |

| | |
|-----------------------|----------------|
| Nom Outer Shield DCR: | 3.9 Ohm/1000ft |
|-----------------------|----------------|

High Frequency (Nominal/Typical)

| Element | Frequency [MHz] | Nom. Insertion Loss |
|---------|-----------------|---------------------|
| Pair(s) | 0.2 MHz | 0.27 dB/100ft |
| | 4 MHz | 0.67 dB/100ft |
| | 16 MHz | 1.37 dB/100ft |

High Freq

| Frequency [MHz] | Max. Insertion Loss (Attenuation) |
|-----------------|-----------------------------------|
| 0.2 MHz | 1.1 dB/100m |
| 4 MHz | 2.65 dB/100m |
| 16 MHz | 5.4 dB/100m |

Voltage

| UL Voltage Rating |
|---|
| 300 V (CMG, PLTC), 600 V (UL AWM 20201) |

Temperature

| UL Rating | Operating |
|---------------------|----------------|
| 75°C (UL AWM 20201) | -30°C to +75°C |

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 3.2 in | 2.4 in |

| | |
|---------------------------------|---|
| Max. Pull Tension: | 50 lbs |
| Bulk Cable Weight: | 52 lbs/1000ft |
| Environmental Suitability: | Indoor, Sunlight Resistance |
| Flammability / Fire Resistance: | UL1685 FT4 Loading, FT4, 1202, IEC 60332-1-2 |
| NEC / UL Compliance: | Article 725, Article 800, CMG, PLTC |
| AWM Compliance: | 20201 |
| CEC / C(UL) Compliance: | CMG |
| CPR Euroclass: | Eca |
| European Directive Compliance: | EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE) |
| Notes: | Siemens Sinec L2 Cable. For CPE jacketed version order Part No. YR45047. For LSZH (FRNC) jacketed version, order Part No. 3079T or YR44731. |
| Update and Revision: | Revision Number: 0.357 Revision Date: 08-25-2020 |

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