



Product: [9574](#)

Electronic, 2 C #18 Sol BC, PVC Ins, OS, Red PVC Jkt, FPLR

Request Sample

Product Description

Electronic, 2 Conductor 18AWG (Solid) Bare Copper, PVC Insulation, Overall Beldfoil® Shield, Red PVC Outer Jacket, FPLR

Technical Specifications

Product Overview

|                        |                                                                                                                   |
|------------------------|-------------------------------------------------------------------------------------------------------------------|
| Suitable Applications: | fire alarms; indoor applications; low voltage analog signals (4-20ma, 0-10v, ...); low voltage control (24v, ...) |
|------------------------|-------------------------------------------------------------------------------------------------------------------|

Construction Details

Conductor

| Element      | No. of Elements | Size | Stranding | Material         |
|--------------|-----------------|------|-----------|------------------|
| Conductor(s) | 2               | 18   | Solid     | BC - Bare Copper |

Insulation

| Material                 | Nom. Thickness     | Nom. Insulation Diameter | Color Code |
|--------------------------|--------------------|--------------------------|------------|
| PVC - Polyvinyl Chloride | 0.017 in (0.43 mm) | 0.60 in (15 mm)          | Black, Red |

Outer Shield

| Shield Type | Material                | Coverage | Drainwire Type   |
|-------------|-------------------------|----------|------------------|
| Tape        | Bi-Laminate (Alum+Poly) | 100%     | 22 AWG (7x30) TC |

Outer Jacket

| Material                 | Nom. Thickness     | Nom. Diameter      |
|--------------------------|--------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.037 in (0.94 mm) | 0.231 in (5.87 mm) |

Electrical Characteristics

Electricals

| Nom. Conductor DCR            | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current                   |
|-------------------------------|-------------------------------|-------------------------------------------------|--------------------------------|
| 2.62 Ohm/1000ft (8.60 Ohm/km) | 58 pF/ft (190 pF/m)           | 108 pF/ft (354 pF/m)                            | 5.3 Amps per Conductor at 25°C |

Voltage

| UL Voltage Rating |
|-------------------|
| 300 V             |

Mechanical Characteristics

Temperature

| UL Temperature | Operating       |
|----------------|-----------------|
| 105°C          | -40°C To +105°C |

Bend Radius

| Stationary Min.   | Installation Min. |
|-------------------|-------------------|
| 3.46 in (87.9 mm) | 3.46 in (87.9 mm) |

|                    |                |
|--------------------|----------------|
| Max. Pull Tension: | 50 lbs (23 kg) |
|--------------------|----------------|

|                    |                          |
|--------------------|--------------------------|
| Bulk Cable Weight: | 30 lbs/1000ft (45 kg/km) |
|--------------------|--------------------------|

Standards and Compliance

|                                  |                                                                              |
|----------------------------------|------------------------------------------------------------------------------|
| Environmental Suitability:       | Indoor, Sunlight Resistance                                                  |
| Flammability / Reaction to Fire: | UL1666 Riser, FT4, IEC 60332-1-2                                             |
| CPR Compliance:                  | CPR Euroclass: Eca                                                           |
| NEC / UL Compliance:             | Article 760, Article 800, CMR, FPLR                                          |
| AWM Compliance:                  | AWM 2464                                                                     |
| CEC / C(UL) Compliance:          | FAS105                                                                       |
| European Directive Compliance:   | EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| UK Regulation Compliance:        | UKCA Mark                                                                    |
| APAC Compliance:                 | China RoHS II (GB/T 26572-2011)                                              |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.583 Revision Date: 02-03-2025 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #        | Color | UPC          |
|---------------|-------|--------------|
| 9574 0025000  | Red   | 612825256144 |
| 9574 002U1000 | Red   | 612825256120 |
| 9574 002U500  | Red   | 612825256137 |

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