



Product: [9579](#)

Electronic, 4 C #16 Sol BC, PVC Ins, OS, Red PVC Jkt, FPLR

Request Sample

Product Description

Electronic, 4 Conductor 16AWG (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, ...) |
|------------------------|-------------------------------------------------------------------------------------------------------------------|

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material         | No. of Conductors |
|-----|-----------|------------------|-------------------|
| 16  | Solid     | BC - Bare Copper | 4                 |

|                  |   |
|------------------|---|
| Conductor Count: | 4 |
|------------------|---|

Insulation

| Material                 | Nominal Wall Thickness |
|--------------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.018 in               |

Color Chart

| Number | Color  |
|--------|--------|
| 1      | Black  |
| 2      | Red    |
| 3      | Yellow |
| 4      | Blue   |

Outer Shield Material

| Type | Material    | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire AWG | Drainwire Construction n x D |
|------|-------------|---------------------|--------------|--------------------|---------------|------------------------------|
| Tape | Alum / Poly | Beldfoil® (Z-Fold®) | 100 %        | TC - Tinned Copper | 22            | 7x30                         |

Outer Jacket Material

| Material                 | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.301 in         | 0.042 in               |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR | Nominal Outer Shield DCR |
|-----------------------|--------------------------|
| 4.1 Ohm/1000ft        | 11.3 Ohm/1000ft          |

Capacitance

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|-----------------------------------------|---------------------------------------------------------|
| 53 pF/ft                                | 98 pF/ft                                                |

Current

| Max. Recommended Current [A] |
|------------------------------|
| 11 Amps per conductor @ 25°C |

Voltage

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

Temperature Range

|                       |                 |
|-----------------------|-----------------|
| UL Temp Rating:       | 105°C           |
| Operating Temp Range: | -40°C To +105°C |

Mechanical Characteristics

|                                  |               |
|----------------------------------|---------------|
| Bulk Cable Weight:               | 65 lbs/1000ft |
| Max Recommended Pulling Tension: | 156 lbs       |
| Min Bend Radius/Minor Axis:      | 3.25 in       |

Standards

|                          |                                |
|--------------------------|--------------------------------|
| NEC Articles:            | 760, 800                       |
| NEC/(UL) Specification:  | CMR, FPLR                      |
| CEC/C(UL) Specification: | FAS105                         |
| UL AWM Style:            | UL Style 2464 (300 V 80°C)     |
| Other Specification:     | California State Fire Marshall |

Applicable Environmental and Other Programs

|                                       |                               |
|---------------------------------------|-------------------------------|
| EU Directive 2000/53/EC (ELV):        | Yes                           |
| EU Directive 2003/96/EC (BFR):        | Yes                           |
| EU Directive 2011/65/EU (ROHS II):    | Yes                           |
| EU Directive 2012/19/EU (WEEE):       | Yes                           |
| EU Directive Compliance:              | EU Directive 2003/11/EC (BFR) |
| EU CE Mark:                           | Yes                           |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2005-04-01                    |
| MII Order #39 (China RoHS):           | Yes                           |

Flammability, LS0H, Toxicity Testing

|                    |                      |
|--------------------|----------------------|
| UL Flammability:   | UL1666 Vertical Tray |
| CSA Flammability:  | FT4                  |
| UL voltage rating: | 300 V RMS            |

Plenum/Non-Plenum

|               |    |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

Part Number

Variants

| Item #       | Color | Putup Type | Length | UPC/EAN       |
|--------------|-------|------------|--------|---------------|
| 9579 0021000 | Red   |            |        | 612825256205  |
| 9579.00305   | Red   | Reel       | 305 m  | 8719605022356 |

|           |                        |
|-----------|------------------------|
| Footnote: | C - CRATE REEL PUT-UP. |
|-----------|------------------------|

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.309 Revision Date: 04-28-2020 |
|----------------------|--------------------------------------------------|

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