



**Product:** [9460](#) 

Electronic, 2 C #18 Str TC, PO Ins, OS, PVC Jkt, CM

 [Request Sample](#)

## Product Description

Electronic, 2 Conductor 18AWG (16x30) Tinned Copper, PO Insulation, Overall Beldfoil® Shield, PVC Outer Jacket, CM

## Technical Specifications

### Product Overview

|                        |                                                                                                                                                                                              |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Suitable Applications: | for use with automatic stripping equipments; low voltage analog signals (4-20ma, 0-10v, ...); low voltage digital control (24v, ...); line level audio; computer communication; panel wiring |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Physical Characteristics (Overall)

#### Conductor

| AWG | Stranding | Material           | No. of Pairs |
|-----|-----------|--------------------|--------------|
| 18  | 16x30     | TC - Tinned Copper | 1            |

|                        |   |
|------------------------|---|
| Conductor Count:       | 2 |
| Total Number of Pairs: | 1 |

#### Insulation

| Material          | Nominal Wall Thickness |
|-------------------|------------------------|
| PE - Polyethylene | 0.0175 in              |

#### Color Chart

| Number | Color         |
|--------|---------------|
| 1      | Black & Clear |

#### Outer Shield Material

| Type | Material    | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire AWG | Drainwire Construction n x D |
|------|-------------|---------------------|--------------|--------------------|---------------|------------------------------|
| Tape | Alum / Poly | Beldfoil®           | 100 %        | TC - Tinned Copper | 20            | Stranded                     |

#### Outer Jacket Material

| Material                 | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.23 in          | 0.03 in                |

### Electrical Characteristics

#### Conductor DCR

| Nominal Conductor DCR |
|-----------------------|
| 6.5 Ohm/1000ft        |

#### Capacitance

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|-----------------------------------------|---------------------------------------------------------|
| 29.8 pF/ft                              | 44 pF/ft                                                |

#### Inductance

| Nominal Inductance |
|--------------------|
| 0.18 µH/ft         |

Impedance

| Nominal Characteristic Impedance |
|----------------------------------|
| 57 Ohm                           |

Current

| Max. Recommended Current [A]    |
|---------------------------------|
| 5.2 Amps per conductor @ 25°C A |

Voltage

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

Temperature Range

|                       |                          |
|-----------------------|--------------------------|
| UL Temp Rating:       | 60°C (UL AWM Style 2092) |
| Operating Temp Range: | -20°C To +60°C           |

Mechanical Characteristics

|                                  |               |
|----------------------------------|---------------|
| Bulk Cable Weight:               | 34 lbs/1000ft |
| Max Recommended Pulling Tension: | 70 lbs        |
| Min Bend Radius/Minor Axis:      | 2.5 in        |

Standards

|                          |                            |
|--------------------------|----------------------------|
| NEC Articles:            | 800                        |
| NEC/(UL) Specification:  | CM                         |
| CEC/C(UL) Specification: | CM                         |
| UL AWM Style:            | UL Style 2092 (300 V 60°C) |
| CPR Euroclass:           | Eca                        |

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 2015/863/EU:             | Yes                           |
| EU Directive Compliance:              | EU Directive 2003/11/EC (BFR) |
| EU CE Mark:                           | Yes                           |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2004-01-01                    |
| MII Order #39 (China RoHS):           | Yes                           |

Flammability, LS0H, Toxicity Testing

|                       |                   |
|-----------------------|-------------------|
| UL Flammability:      | UL1685 UL Loading |
| CSA Flammability:     | FT1               |
| ISO/IEC Flammability: | IEC 60332-1-2     |
| UL voltage rating:    | 300 V RMS         |

Plenum/Non-Plenum

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

Part Number

Variants

| Item #        | Color  | UPC          |
|---------------|--------|--------------|
| 9460 0105000  | Black  | 612825253334 |
| 9460 0605000  | Chrome | 612825253365 |
| 9460 060U1000 | Chrome | 612825253341 |
| 9460 060U500  | Chrome | 612825253358 |

|           |                                                                                                                  |
|-----------|------------------------------------------------------------------------------------------------------------------|
| Footnote: | C - CRATE REEL PUT-UP.                                                                                           |
| Footnote: | Z - FINAL PUT-UP MAY VARY (= OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN. |

Product Notes

|        |                                                                                                                                       |
|--------|---------------------------------------------------------------------------------------------------------------------------------------|
| Notes: | The jacket and shield are bonded so both can be removed on automatic stripping equipment. Drain wire is on the inside of foil shield. |
|--------|---------------------------------------------------------------------------------------------------------------------------------------|

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.306 Revision Date: 04-28-2020 |
|----------------------|--------------------------------------------------|

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#### Как с нами связаться

**Телефон:** 8 (812) 309 58 32 (многоканальный)

**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.