



**Part Number: 9460**

Single-Pair, (1 pr) 18 AWG (16x30) TC, PE/PVC, Foil Shld, CM

## Product Description

One 18 AWG pair stranded (16x30) tinned copper conductors, polyethylene insulation, overall Beldfoil® shield (100% coverage), PVC jacket.

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

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

|                        |        |
|------------------------|--------|
| Conductor Count:       | 2      |
| Total Number of Pairs: | 1      |
| Conductor Size:        | 18 AWG |

#### 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 | Aluminum Foil-Polyester Tape | Beldfoil®           | 100 %        | TC - Tinned Copper | 20            | Stranded mm                  |

#### 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  |

|            |                           |
|------------|---------------------------|
| Shielding: | Foil(s) or Copper Tape(s) |
|------------|---------------------------|

#### 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**

300V 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 (300V 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                    |
| CA Prop 65 (CJ for Wire & Cable):     | Yes                           |
| MII Order #39 (China RoHS):           | Yes                           |

**Flammability, LSOH, Toxicity Testing**

|                    |                   |
|--------------------|-------------------|
| UL Flammability:   | UL1685 UL Loading |
| CSA Flammability:  | FT1               |
| UL Voltage Rating: | 300 V RMS         |

**Plenum/Non-Plenum**

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

**Part Number****Variants**

| Item #        | Color  | Footnote |
|---------------|--------|----------|
| 9460 0105000  | BLACK  | C Z      |
| 9460 0605000  | CHROME | C Z      |
| 9460 060U1000 | CHROME |          |
| 9460 060U500  | CHROME |          |

|           |  |
|-----------|--|
| 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. |

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