



Product: [8760](#)

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: | low voltage analog signals (4-20ma, 0-10v, ...); low voltage digital control (24v, ...); line level audio; computer communication; panel wiring; panel wiring; panel wiring; panel wiring |
|------------------------|---|

Physical Characteristics (Overall)

Conductor

| Element | AWG | Stranding | Material | No. of Pairs |
|---------|-----|-----------|--------------------|--------------|
| Pair(s) | 18 | 16x30 | TC - Tinned Copper | 1 |

| | |
|------------------|---|
| Conductor Count: | 2 |
|------------------|---|

Insulation

| Element | Material | Nominal Wall Thickness |
|---------|-------------------|------------------------|
| Pair(s) | 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 | 7x28 |

Outer Jacket Material

| Material | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.222 in | 0.028 in |

Electrical Characteristics

Conductor DCR

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

Capacitance

| Nom. Capacitance Conductor to Conductor |
|---|
| 27.2 pF/ft |

Inductance

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

Current

| |
|-------------------------------------|
| Max. Recommended Current [A] |
| 7.2 Amps per conductor @ 25°C |

Voltage

| UL Description | UL Voltage Rating |
|----------------|-------------------|
| CM | 300 V |
| UL AWM 2092 | 300 V |

Temperature Range

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

Mechanical Characteristics

| | |
|----------------------------------|---------------|
| Bulk Cable Weight: | 25 lbs/1000ft |
| Max Recommended Pulling Tension: | 54 lbs |
| Min Bend Radius/Minor Axis: | 2.25 in |

Standards

| | |
|--------------------------|------|
| NEC Articles: | 800 |
| NEC/(UL) Specification: | CM |
| CEC/C(UL) Specification: | CM |
| UL AWM Style: | 2092 |
| 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 |

Suitability

| | |
|-----------------------|-----|
| Suitability - Indoor: | Yes |
|-----------------------|-----|

Flammability, LSOH, Toxicity Testing

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

Plenum/Non-Plenum

| | |
|----------------|-----------------------|
| Plenum (Y/N): | No |
| Plenum Number: | 88760, 87760 or 82760 |

Part Number

Variants

| Item # | Color | Putup Type | Length | UPC/EAN |
|---------------|--------|------------|----------|---------------|
| 8760.01152 | Chrome | Reel | 152 m | 8719605018809 |
| 8760 060250 | Chrome | Reel | 250 ft | 612825215189 |
| 8760.01305 | Chrome | Reel | 305 m | 8719605018823 |
| 8760 060500 | Chrome | Reel | 500 ft | 612825215196 |
| 8760 060U500 | Chrome | UnReel | 500 ft | 612825215127 |
| 8760 0601000 | Chrome | Reel | 1,000 ft | 612825215134 |
| 8760 060U1000 | Chrome | UnReel | 1,000 ft | 612825215110 |

| | | | | |
|---------------|--------|--------|-----------|---------------|
| 8760 0602000 | Chrome | Reel | 2,000 ft | 612825215172 |
| 8760 0605000 | Chrome | Reel | 5,000 ft | 612825215202 |
| 8760 06010000 | Chrome | Reel | 10,000 ft | 612825215141 |
| 8760 06015000 | Chrome | Reel | 15,000 ft | 612825215165 |
| 8760.00U152 | Gray | UnReel | 152 m | 8719605018793 |
| 8760.01U305 | Gray | UnReel | 305 m | 8719605018830 |
| 8760.00610 | Gray | Reel | 610 m | 8719605018786 |
| 8760.011525 | Gray | Reel | 1,525 m | 8719605018816 |

| | |
|-----------|---|
| Footnote: | C - CRATE REEL PUT-UP. |
| Footnote: | Y - FINAL PUT-UP LENGTH MAY VAR -10% TO +20% FROM LENGTH SHOWN. MAY CONTAIN 2 PIECES. MINIMUM LENGTH OF ANY ONE PIECE IS 1500'. |

History

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| Update and Revision: | Revision Number: 0.335 Revision Date: 05-19-2020 |
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