



Product: [8718](#) 

Electronic, 2 C #12 Str TC, PO Ins, OS, PVC Jkt, CL2

 [Request Sample](#)

Product Description

Electronic, 2 Conductor 12AWG (19x25) Tinned Copper, PO Insulation, Overall Beldfoil® Shield, PVC Outer Jacket, CL2

Technical Specifications

Product Overview

| | |
|------------------------|---|
| Suitable Applications: | up to 600V analog signals ; up to 600V digital control ; line level audio; voice communications; panel wiring |
|------------------------|---|

Physical Characteristics (Overall)

Conductor

| Element | AWG | Stranding | Material | No. of Pairs |
|---------|-----|-----------|--------------------|--------------|
| Pair(s) | 12 | 19x25 | TC - Tinned Copper | 1 |

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

Insulation

| Element | Material | Nominal Wall Thickness |
|---------|-------------------|------------------------|
| Pair(s) | PE - Polyethylene | 0.037 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® (Z-Fold®) | 100 % | TC - Tinned Copper | 14 | Stranded |

Outer Jacket Material

| Material | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.4 in | 0.034 in |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR |
|-----------------------|
| 1.6 Ohm/1000ft |

Capacitance

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|---|---|
| 25 pF/ft | 49 pF/ft |

Inductance

| Nominal Inductance |
|--------------------|
| 0.2 µH/ft |

Impedance

| Nominal Characteristic Impedance |
|----------------------------------|
| 55 Ohm |

Current

| Max. Recommended Current [A] |
|--------------------------------|
| 12.5 Amps per conductor @ 25°C |

Voltage

| UL Description | UL Voltage Rating |
|----------------|-------------------|
| UL AWM | 600 V RMS |
| CSA AWM | 300 V RMS |

Temperature Range

| | |
|-----------------------|---------------------------|
| UL Temp Rating: | 80°C (UL AWM Style 20253) |
| Operating Temp Range: | -20°C To +80°C |

Mechanical Characteristics

| | |
|----------------------------------|---------------|
| Bulk Cable Weight: | 89 lbs/1000ft |
| Max Recommended Pulling Tension: | 225 lbs |
| Min Bend Radius/Minor Axis: | 4 in |

Standards

| | |
|-------------------------|-----------------------------|
| NEC/(UL) Specification: | CL2 |
| UL AWM Style: | UL Style 20253 (600 V 80°C) |
| CSA AWM Specification: | AWM II A |
| 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 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, LSOH, Toxicity Testing

| | |
|-----------------------|-------------------|
| UL Flammability: | UL1685 UL Loading |
| CSA Flammability: | FT1 |
| ISO/IEC Flammability: | IEC 60332-1-2 |
| UL voltage rating: | 600 V RMS |

Plenum/Non-Plenum

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

Part Number

Variants

| Item # | Color | Putup Type | Length | UPC |
|--------------|--------|------------|----------|--------------|
| 8718 060500 | Chrome | Reel | 500 ft | 612825214212 |
| 8718 060U500 | Chrome | UnReel | 500 ft | 612825214182 |
| 8718 0601000 | Chrome | Reel | 1,000 ft | 612825214199 |
| 8718 0602000 | Chrome | Reel | 2,000 ft | 612825214205 |
| 8718 0605000 | Chrome | Reel | 5,000 ft | 612825214229 |

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

History

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|----------------------|--|
| Update and Revision: | Revision Number: 0.308 Revision Date: 05-11-2020 |
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