



Product: [8718](#)

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

Request Sample

Product Description

Electronic, 2 Conductor 12AWG (19x25) Tinned Copper, PE 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 |
|------------------------|---|

Construction Details

Conductor

| Element | Number of Element | Size | Stranding | Material |
|---------|-------------------|--------|-----------|--------------------|
| Pair(s) | 1 | 12 AWG | 19x25 | TC - Tinned Copper |

Insulation

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|---------|-------------------|--------------------|--------------------------|---------------|
| Pair(s) | PE - Polyethylene | 0.037 in (0.94 mm) | 0.164 in (4.17 mm) | Black & Clear |

Outer Shield

| Shield Type | Material | Coverage | Drainwire Type |
|-------------|-------------------------|----------|-------------------|
| Tape | Bi-Laminate (Alum+Poly) | 100% | 14 AWG (19x26) TC |

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter |
|--------------------------|--------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.034 in (0.86 mm) | 0.400 in (10.2 mm) |

| | |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.400 in (10.2 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Nom. Characteristic Impedence | Max. Current |
|--------------|--------------------|-------------------------------|---|-------------------------------|-------------------------------|
| Conductor(s) | 1.78 Ohm/1000ft | 25 pF/ft (82 pF/m) | 49 pF/ft (160 pF/m) | 55 Ohm | 30 Amps per Conductor at 30°C |

Voltage

| UL Voltage Rating |
|---------------------------------------|
| 600 V (UL AWM 20253), 300 V (CSA AWM) |

Mechanical Characteristics

Temperature

| UL Temperature | Operating |
|----------------|----------------|
| 80°C | -20°C to +80°C |

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 4.0 in (100 mm) | 4.0 in (100 mm) |

| | |
|--------------------|-----------------|
| Max. Pull Tension: | 200 lbs (91 kg) |
| Bulk Cable Weight: | 87 lbs/1000ft |

Standards and Compliance

| | |
|----------------------------------|--|
| Environmental Suitability: | Indoor |
| Sustainability: | CA Prop 65 |
| Flammability / Reaction to Fire: | UL 1685 UL loading , IEC 60332-1-2 |
| CPR Compliance: | CPR Euroclass: Eca |
| NEC / UL Compliance: | Article 725, CL2 |
| AWM Compliance: | AWM 20253 |
| European Directive Compliance: | EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| UK Regulation Compliance: | UKCA Mark |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |

History

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|----------------------|--|
| Update and Revision: | Revision Number: 0.529 Revision Date: 01-20-2023 |
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Part Numbers

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 |

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