



Product: [82760](#)

Electronic, 2 C #18 Str TC, FEP Ins, OS, PVC Jkt, CMP

Request Sample

Product Description

Electronic Cable, 2 Conductor 18AWG (19x30) Tinned Copper, FEP Insulation, Overall Beldfoil® Shield, PVC Outer Jacket, CMP

Technical Specifications

Product Overview

Suitable Applications:

indoor plenum applications; low voltage analog signals (4-20ma, 0-10v, ...); low voltage digital control (24v, ...); line level audio; voice communications; panel wiring

Construction Details

Conductor

| Element | Number of Element | AWG | Stranding | Material           |
|---------|-------------------|-----|-----------|--------------------|
| Pair(s) | 1                 | 18  | 19x30     | TC - Tinned Copper |

Insulation

| Element | Material                             | Thickness [in] | Color Code |
|---------|--------------------------------------|----------------|------------|
| Pair(s) | FEP - Fluorinated Ethylene Propylene | 0.0065         | Black, Red |

Outer Shield Material

| Type | Material    | Coverage | Drainwire Type   |
|------|-------------|----------|------------------|
| Tape | Alum / Poly | 100%     | 20 AWG (7x28) TC |

Outer Jacket Material

| Material                                | Thickness | Diameter |
|-----------------------------------------|-----------|----------|
| PVC-LS - Polyvinyl Chloride (Low Smoke) | 0.014 in  | 0.146 in |

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Characteristic Impedence | Nom. Velocity of Prop. | Max. Current                   |
|---------|--------------------|-------------------------------|-------------------------------------------------|--------------------------|------------------------|--------------------------------|
| Pair(s) | 5.5 Ohm/1000ft     | 51 pF/ft                      | 97 pF/ft                                        | 35 Ohm                   | 69%                    | 5.4 Amps per Conductor at 25°C |

Voltage

| UL Voltage Rating |
|-------------------|
| 300 V (CMP)       |

Mechanical Characteristics

Temperature

| Operating      |
|----------------|
| -20°C to +75°C |

Bend Radius

| Stationary Min. |
|-----------------|
| 1.5 in          |

|                    |               |
|--------------------|---------------|
| Max. Pull Tension: | 64 lbs        |
| Bulk Cable Weight: | 20 lbs/1000ft |

### Standards and Compliance

|                                 |                                                                                                         |
|---------------------------------|---------------------------------------------------------------------------------------------------------|
| Environmental Suitability:      | Indoor                                                                                                  |
| Flammability / Fire Resistance: | NFPA 262, FT6, IEC 60332-1-2                                                                            |
| NEC / UL Compliance:            | Article 800, CMP                                                                                        |
| CEC / C(UL) Compliance:         | CMP                                                                                                     |
| CPR Euroclass:                  | Eca                                                                                                     |
| European Directive Compliance:  | EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance:                | China RoHS II (GB/T 26572-2011)                                                                         |

### History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.342 Revision Date: 06-09-2020 |
|----------------------|--------------------------------------------------|

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