



**Part Number: 82740**

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

[Request Sample](#)

**Product Description**

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

**Technical Specifications**

**Physical Characteristics (Overall)**

**Conductor**

| AWG | Stranding | Material           | No. of Conductors | No. of Pairs |
|-----|-----------|--------------------|-------------------|--------------|
| 18  | 19x30     | TC - Tinned Copper | 2                 | 1            |

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

**Insulation**

| Material                             | Nominal Wall Thickness |
|--------------------------------------|------------------------|
| FEP - Fluorinated Ethylene Propylene | 0.0065 in              |

**Color Chart**

| Number | Color       |
|--------|-------------|
| 1      | Black & Red |

**Outer Shield Material**

| Material   |
|------------|
| Unshielded |

**Outer Jacket Material**

| Material                              | Material Trade Name | Nominal Diameter | Nominal Wall Thickness |
|---------------------------------------|---------------------|------------------|------------------------|
| LS PVC - Low Smoke Polyvinyl Chloride | Flamarrest®         | 0.143 in         | 0.0145 in              |

**Electrical Characteristics**

**Conductor DCR**

| Nominal Conductor DCR |
|-----------------------|
| 5.5 Ohm/1000ft        |

**Capacitance**

| Nom. Capacitance Conductor to Conductor |
|-----------------------------------------|
| 20 pF/ft                                |

**Inductance**

| Nominal Inductance |
|--------------------|
| 0.14 µH/ft         |

**Impedance**

| Nominal Characteristic Impedance |
|----------------------------------|
| 72 Ohm                           |

## Current

### Max. Recommended Current [A]

5.4 Amps per conductor @ 25°C

## Voltage

### UL Voltage Rating

300 V RMS

## Temperature Range

Operating Temp Range: -20°C To +60°C

## Mechanical Characteristics

|                                  |               |
|----------------------------------|---------------|
| Bulk Cable Weight:               | 15 lbs/1000ft |
| Max Recommended Pulling Tension: | 50 lbs        |
| Min Bend Radius/Minor Axis:      | 1.5 in        |

## Standards

|                          |           |
|--------------------------|-----------|
| NEC/(UL) Specification:  | CL3P, CMP |
| CEC/C(UL) Specification: | CMP       |
| 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): | 2005-10-01                    |
| CA Prop 65 (CJ for Wire & Cable):     | Yes                           |
| MII Order #39 (China RoHS):           | Yes                           |

## Flammability, LS0H, Toxicity Testing

|                       |               |
|-----------------------|---------------|
| UL Flammability:      | NFPA 262      |
| CSA Flammability:     | FT6           |
| ISO/IEC Flammability: | IEC 60332-1-2 |
| UL voltage rating:    | 300 V RMS     |

## Plenum/Non-Plenum

|                |      |
|----------------|------|
| Plenum (Y/N):  | Yes  |
| Plenum Number: | 9740 |

## Part Number

|                    |      |
|--------------------|------|
| Non-Plenum Number: | 9740 |
|--------------------|------|

## Variants

| Item #         | Color   | UPC          | Length   | Footnote |
|----------------|---------|--------------|----------|----------|
| 82740 8771000  | Natural | 612825197652 | 1,000 ft | C        |
| 82740 8775000  | Natural | 612825197669 | 5,000 ft |          |
| 82740 877U1000 | Natural | 612825197645 | 1,000 ft |          |

Footnote: C - CRATE REEL PUT-UP.

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