



Product: [9740](#)

Electronic, 2 C #18 Str TC, PVC Ins, PVC Jkt, CMG

Request Sample

Product Description

Electronic, 2 Conductor 18AWG (16x30) Tinned Copper, PVC Insulation, PVC Outer Jacket, CMG

Technical Specifications

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material           | No. of Pairs |
|-----|-----------|--------------------|--------------|
| 18  | 16x30     | TC - Tinned Copper | 1            |

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

Insulation

| Material                 | Nominal Wall Thickness |
|--------------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.013 in               |

Color Chart

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

Inner Shield Material

| Material  |
|-----------|
| No Shield |

Outer Shield Material

| Material  |
|-----------|
| No Shield |

Outer Jacket Material

| Material                 | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.21 in          | 0.032 in               |

Construction and Dimensions

Stranding

| Lay Direction | Twists     |
|---------------|------------|
| Left Hand     | 6 twist/ft |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR |
|-----------------------|
| 6.86 Ohm/1000ft       |

Capacitance

| Nom. Capacitance Conductor to Conductor |
|-----------------------------------------|
|-----------------------------------------|

|            |
|------------|
| 25.5 pF/ft |
|------------|

Current

| Element              | Max. Recommended Current [A]            |
|----------------------|-----------------------------------------|
| 10C Temperature Rise | 4.8 ambient Amps per conductor @ 20°C A |

Voltage

| UL Voltage Rating |
|-------------------|
| 300 V RMS         |

Temperature Range

|                       |                          |
|-----------------------|--------------------------|
| UL Temp Rating:       | 80°C (UL AWM Style 2464) |
| Operating Temp Range: | -20°C To +80°C           |

Mechanical Characteristics

|                                  |               |
|----------------------------------|---------------|
| Bulk Cable Weight:               | 22 lbs/1000ft |
| Max Recommended Pulling Tension: | 45 lbs        |
| Min Bend Radius/Minor Axis:      | 2.25 in       |

Standards

|                          |                            |
|--------------------------|----------------------------|
| NEC Articles:            | 800, 725                   |
| NEC/(UL) Specification:  | CL3, CMG                   |
| CEC/C(UL) Specification: | CMG                        |
| UL AWM Style:            | UL Style 2464 (300 V 80°C) |
| 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): | 2005-04-01                    |
| MII Order #39 (China RoHS):           | Yes                           |

Suitability

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

Flammability, LS0H, Toxicity Testing

|                       |                    |
|-----------------------|--------------------|
| UL Flammability:      | UL1685 FT4 Loading |
| CSA Flammability:     | FT4                |
| ISO/IEC Flammability: | IEC 60332-1-2      |
| UL voltage rating:    | 300 V RMS          |

Plenum/Non-Plenum

|                |                     |
|----------------|---------------------|
| Plenum (Y/N):  | No                  |
| Plenum Number: | 89740, 87740, 82740 |

Part Number

Variants

| Item #        | Color  | UPC          | Length | Footnote |
|---------------|--------|--------------|--------|----------|
| 9740.00305    | Chrome |              | 305 m  |          |
| 9740 0601000  | Chrome | 612825257943 |        | C        |
| 9740 060500   | Chrome | 612825257950 |        | C        |
| 9740 0605000  | Chrome | 612825257967 |        |          |
| 9740 060U1000 | Chrome | 612825257929 |        |          |
| 9740.K0305    | Chrome |              | 305 m  |          |

|           |                        |
|-----------|------------------------|
| Footnote: | C - CRATE REEL PUT-UP. |
|-----------|------------------------|

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.294 Revision Date: 04-08-2020 |
|----------------------|--------------------------------------------------|

© 2020 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.