BELDEN
SENDING ALL THE RIGHT SIGNALS

# Product: 8469

Electronic, 9 C #18 Str TC, PVC Ins, PVC Jkt, CMG

Request Sample

## Product Description

Electronic, 9 Conductor 18AWG (19x30) Tinned Copper, PVC Insulation, PVC Outer Jacket, CMG

## Technical Specifications

### Product Overview

| | |
|---|---|
| Suitable Applications: | low voltage analog signals (4-20ma, 0-10v, ...); low voltage control (24v, …); line level audio; voice communications; panel wiring |

### Physical Characteristics (Overall)

**Conductor**

| Element | AWG | Stranding | Material | No. of Conductors |
|---|---|---|---|---|
| Conductor(s) | 18 | 19x30 | TC - Tinned Copper | 9 |

| | |
|---|---|
| Conductor Count: | 9 |

**Insulation**

| Element | Material | Nominal Wall Thickness |
|---|---|---|
| Conductor(s) | PVC - Polyvinyl Chloride | 0.018 in |

**Color Chart**

| Number | Color |
|---|---|
| 1 | Black |
| 2 | White |
| 3 | Red |
| 4 | Green |
| 5 | Brown |
| 6 | Blue |
| 7 | Orange |
| 8 | Yellow |
| 9 | Purple |

**Outer Jacket Material**

| Material | Nominal Diameter | Nominal Wall Thickness |
|---|---|---|
| PVC - Polyvinyl Chloride | 0.364 in | 0.037 in |

### Electrical Characteristics

**Conductor DCR**

| Nominal Conductor DCR |
|---|
| 6.3 Ohm/1000ft |

**Capacitance**

| Nom. Capacitance Conductor to Conductor |
|---|
| 26 pF/ft |

**Current**

| Max. Recommended Current [A] |
|---|
| 3.5 Amps per conductor @ 25°C |

**Voltage**

| UL Voltage Rating |
|---|
| 300 V RMS (UL AWM Style 2598) |

## Temperature Range

| | |
|---|---|
| UL Temp Rating: | 60°C (UL AWM Style 2598) |
| Operating Temp Range: | -20°C To +60°C |

## Mechanical Characteristics

| | |
|---|---|
| Bulk Cable Weight: | 89 lbs/1000ft |
| Max Recommended Pulling Tension: | 187 lbs |
| Min Bend Radius/Minor Axis: | 3.75 in |

## Standards

| | |
|---|---|
| NEC Articles: | 800 |
| NEC/(UL) Specification: | CMG |
| CEC/C(UL) Specification: | CMG |
| UL AWM Style: | UL Style 2598 (300 V 60°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 |

## 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 (UL AWM Style 2598) |

## Plenum/Non-Plenum

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

## Part Number

**Variants**

| Item # | Color | Putup Type | Length | UPC |
|---|---|---|---|---|
| 8469 060100 | Chrome | Reel | 100 ft | 612825208440 |
| 8469 060250 | Chrome | Reel | 250 ft | 612825208464 |
| 8469 060500 | Chrome | Reel | 500 ft | 612825208471 |
| 8469 0601000 | Chrome | Reel | 1,000 ft | 612825208457 |
| 8469 0605000 | Chrome | Reel | 5,000 ft | 612825208488 |

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

## History

| | |
|---|---|
| Update and Revision: | Revision Number: 0.283 Revision Date: 04-30-2020 |

© 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.

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Belden Wire & Cable:

8469 060100 8469 0601000 8469 060500 8469 060250 8469 0605000