

**Product:** [8437](#) 

Audio, Control and Instrumentation, 1 Pair 22 AWG Solid, Shielded, CMG



## Product Description

1 Twisted Pair 22 AWG solid TC, PVC insulation, polyester tape, TC braid shield (90% coverage), 22 AWG solid TC drain wire, PVC jacket.

## Technical Specifications

### Product Overview

Suitable Applications:	low voltage analog signals (4-20ma, 0-10v, ...); low voltage digital control (24v, ...); line level audio; computer communication; panel wiring
------------------------	---

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Pairs
22	Solid	TC - Tinned Copper	1

Conductor Count:	2
Total Number of Pairs:	1

#### Insulation

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.015 in

#### Color Chart

Number	Color
1	Black & Red

#### Outer Shield Material

Type	Material	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Braid	Tinned Copper (TC)	90%	TC - Tinned Copper	22	Solid

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Separator Material
PVC - Polyvinyl Chloride	0.188 in	0.025 in	Polyester Tape

### Construction and Dimensions

#### Cabling

Filler
Polyester Tape

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
16.2 Ohm/1000ft	4.9 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
48 pF/ft	85 pF/ft

## Inductance

### Nominal Inductance

0.2 µH/ft

## Impedance

### Nominal Characteristic Impedance

46 Ohm

## Current

### Max. Recommended Current [A]

2.9 Amps per Conductor at 25°C

## Voltage

### UL Voltage Rating

300 V RMS (UL AWM Style 2095)

## Temperature Range

UL Temp Rating: 80°C (UL AWM Style 2095)

Operating Temp Range: -20°C To +80°C

## Mechanical Characteristics

Bulk Cable Weight: 22 lbs/1000ft

Max. Pull Tension: 48 lbs

Min Bend Radius/Minor Axis: 2 in

## Standards

NEC/(UL) Compliance: CMG

CEC/C(UL) Compliance: CMG

UL AWM Style Compliance: UL Style 2095 (300 V 80°C)

## Applicable Environmental and Other Programs

Environmental Space: Indoor (Not Riser or Plenum)

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, LSOH, Toxicity Testing

UL Flammability: UL1685 FT4 Loading

CSA Flammability: FT4

UL voltage rating: 300 V RMS (UL AWM Style 2095)

## Plenum/Non-Plenum

Plenum (Y/N): No

## Part Number

### Variants

Item #	Color	Putup Type	Length	UPC
8437 0101000	Black	Reel	1,000 ft	612825207177

Footnote: C - CRATE REEL PUT-UP.

## Product Notes

Notes:	Overall Cabling Separator Material: Polyester Tape
--------	--

## History

Update and Revision:	Revision Number: 0.260 Revision Date: 06-08-2020
----------------------	--

© 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.

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



Тел: +7 (812) 336 43 04 (многоканальный)

Email: [org@lifeelectronics.ru](mailto:org@lifeelectronics.ru)