# Product: 9155

Audio & Instrumentation, 1pr 20 AWG Shielded, 2c 18 AWG, TC, CM

## Product Description

1 Pair 20 AWG stranded (7x28), Beldfoil® shield; 2 conductorsr 18 AWG stranded (19x30) TC conductors, polyethylene insulation, 22 AWG stranded TC drain wire, CM 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 |

### Construction Details

**Conductor**

| Element | Number of Element | AWG | Stranding | Material |
|---|---|---|---|---|
| Pair(s) | 1 | 20 | 7x28 | TC - Tinned Copper |
| Conductor(s) | 2 | 18 | 19x30 | TC - Tinned Copper |

**Insulation**

| Element | Material | Thickness [in] | Color Code |
|---|---|---|---|
| Pair(s) | PE - Polyethylene | 0.020 | Black & Red |
| Conductor(s) | PE - Polyethylene | 0.020 | Green, White |

**Inner Shield Material**

| Element | Type | Material | Coverage | Drain Type |
|---|---|---|---|---|
| Pair(s) | Tape | Alum / Poly | 100% | 22 AWG (7x30) TC |
| Conductor(s) | No Shield | | | |

**Outer Jacket Material**

| Material | Thickness | Diameter |
|---|---|---|
| PVC - Polyvinyl Chloride | 0.031 in | 0.262 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) | 10.5 Ohm/1000ft | 24 pF/ft | 46 pF/ft | 66 Ohm | 66% | 7 Amps per Conductor at 25°C (20 AWG); 9 Amps per Conductor at 25°C (18 AWG) |
| | 6.6 Ohm/1000ft | 22 pF/ft | | | 66% | 9 Amps per conductor @ 25°C |

**Voltage**

| UL Voltage Rating |
|---|
| 300 V (CM, UL AWM 2094) |

### Mechanical Characteristics

**Temperature**

| UL Rating | Operating |
|---|---|
| 60°C (UL AWM 2094) | -20°C to +60°C |

**Bend Radius**

| Stationary Min. |
| --- |
| 2.75 in |

| | |
| --- | --- |
| Max. Pull Tension: | 69.6 lbs |
| Bulk Cable Weight: | 45 lbs/1000ft |

## Standards and Compliance

| | |
| --- | --- |
| Environmental Suitability: | Indoor (Not Riser or Plenum) |
| Sustainability: | CA Prop 65 |
| Flammability / Fire Resistance: | UL1685 UL Loading, IEC 60332-1-2 |
| NEC / UL Compliance: | Article 800, CM |
| AWM Compliance: | 2094 |
| CEC / C(UL) Compliance: | CM |
| 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: 0.300 Revision Date: 06-09-2020 |

© 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.

Общество с ограниченной ответственностью «МосЧип» ИНН 7719860671 / КПП 771901001
Адрес: 105318, г.Москва, ул.Щербаковская д.3, офис 1107

**Данный компонент на территории Российской Федерации**

**Вы можете приобрести в компании MosChip.**

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

http://moschip.ru/get-element

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

**Офис по работе с юридическими лицами:**

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:
moschip.ru
moschip.ru_4
moschip.ru_6
moschip.ru_9