

8777 Multi-Conductor - Shielded Twisted Pair Cable

For more Information
please call

1-800-Belden1



Description:

22 AWG stranded (7x30) tinned copper conductors, polypropylene insulation, twisted pairs individually Beldfoil® Shielded (100% coverage), 22 AWG stranded tinned copper drain wire, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

| # Pairs | AWG | Stranding | Conductor Material | Dia. (mm) |
|---------|-----|-----------|--------------------|-----------|
| 3 | 22 | 7x30 | TC - Tinned Copper | 0.762 |

Insulation

Insulation Material:

| Insulation Material | Dia. (mm) |
|---------------------|-----------|
| PP - Polypropylene | 1.27 |

Inner Shield

Inner Shield Material:

| Layer # | Inner Shield Trade Name | Type | Inner Shield Material | Coverage (%) |
|---------|-------------------------|------|-----------------------|--------------|
| 1 | Beldfoil® | Tape | Aluminum-Polyester | 100 |
| 2 | | Tape | Polyester | 100 |

Inner Shield Drain Wire AWG:

| AWG |
|-----|
| 22 |

Inner Shield Drain Wire Stranding: 7x30

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

Outer Shield

Outer Shield Material:

| Outer Shield Material |
|-----------------------|
| Unshielded |

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material |
|--------------------------|
| PVC - Polyvinyl Chloride |

Overall Cabling

Overall Nominal Diameter: 6.934 x 0.000 mm

Pair

Pair Color Code Chart:

| Number | Color |
|--------|---------------|
| 1 | Black & Red |
| 2 | Black & White |
| 3 | Black & Green |

Pair Lay Length & Direction:

| Lay Length (mm) | Twists/ft. (twist/m) |
|-----------------|----------------------|
| 44.449825 | 22.475 |

Mechanical Characteristics (Overall)

| | |
|--|--------------------------|
| Operating Temperature Range: | -20°C To +80°C |
| UL Temperature Rating: | 80°C (UL AWM Style 2919) |
| Bulk Cable Weight: | 60.719 Kg/Km |
| Max. Recommended Pulling Tension: | 351.408 N |
| Min. Bend Radius (Install)/Minor Axis: | 69.850 mm |

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| | |
|---------------------------------------|---------------------------|
| NEC/(UL) Specification: | CM |
| CEC/C(UL) Specification: | CM |
| AWM Specification: | UL Style 2919 (30 V 80°C) |
| EU CE Mark: | Yes |
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2002/95/EC (RoHS): | Yes |
| EU RoHS Compliance Date (mm/dd/yyyy): | 01/01/2004 |
| EU Directive 2002/96/EC (WEEE): | Yes |
| EU Directive 2003/11/EC (BFR): | Yes |
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| MII Order #39 (China RoHS): | Yes |

Flame Test

| | |
|----------------|-------------------|
| UL Flame Test: | UL1685 UL Loading |
|----------------|-------------------|

Plenum/Non-Plenum

| | |
|----------------|---------------------|
| Plenum (Y/N): | No |
| Plenum Number: | 88777, 87777, 82777 |

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

50

Nom. Inductance:

Inductance (µH/m)

0.59058

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

98.43

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)

180.455

Nominal Velocity of Propagation:

VP (%)

66

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

49.215

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: 34.779 Ohm/km

8777 Multi-Conductor - Shielded Twisted Pair Cable

Max. Operating Voltage - UL:

| Voltage |
|------------------------------|
| 30 V RMS (UL AWM Style 2919) |
| 300 V RMS (CM) |

Max. Recommended Current:

| Current |
|-----------------------------|
| 2 Amps per conductor @ 25°C |

Related Documents:

No related documents are available for this product

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|---------------|----------|-------------|--------|-------|----------------------|
| 8777 060U1000 | 305 MT | 18.144 KG | CHROME | | 3 SH PR #22 PP PVC |
| 8777 060U500 | 152 MT | 9.299 KG | CHROME | | 3 SHLD PR #22 PP PVC |
| 8777 060100 | 30 MT | 2.087 KG | CHROME | | 3 SHLD PR #22 PP PVC |
| 8777 0601000 | 305 MT | 19.051 KG | CHROME | C | 3 SHLD PR #22 PP PVC |
| 8777 06010000 | 3,048 MT | 204.118 KG | CHROME | C Y | 3 SHLD PR #22 PP PVC |
| 8777 0601640 | 500 MT | 30.500 KG | CHROME | C | 3 SHLD PR #22 PP PVC |
| 8777 060250 | 76 MT | 4.990 KG | CHROME | C | 3 SHLD PR #22 PP PVC |
| 8777 0603280 | 1,000 MT | 60.999 KG | CHROME | C | 3 SHLD PR #22 PP PVC |
| 8777 060500 | 152 MT | 9.525 KG | CHROME | C | 3 SHLD PR #22 PP PVC |
| 8777 0605000 | 1,524 MT | 95.255 KG | CHROME | C | 3 SHLD PR #22 PP PVC |

Notes:

C = CRATE REEL PUT-UP.

Y = FINAL PUT-UP LENGTH MAY VARY -10% TO +20% FROM LENGTH SHOWN.MAY CONTAIN 2 PIECES. MINIMUM LENGTH OF ANY ONE PIECE IS 1500'.

Revision Number: 1 Revision Date: 05-05-2008

© 2011 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 herein 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 "AS IS" 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 EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure 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. This 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.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели,
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



Телефон: 8 (812) 309-75-97 (многоканальный)

Факс: 8 (812) 320-03-32

Электронная почта: ocean@oceanchips.ru

Web: <http://oceanchips.ru/>

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, д. 2, корп. 4, лит. А