

## 1503A Paired - Single-Pair Cable

|  |  |                                                                                                                                                                      |
|--|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |  | <p style="text-align: center;"><b>For more information please call</b><br/><b>1-800-Belden1</b></p> <p style="text-align: center;"><u>See Put-ups and Colors</u></p> |
|--|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Description:

22 AWG stranded (7x30) TC conductors, PVC insulation, twisted pair, overall Beldfoil shield (100% coverage), 24 AWG stranded TC drain wire, PVC jacket.

### PHYSICAL CHARACTERISTICS:

#### CONDUCTOR:

|                            |                    |
|----------------------------|--------------------|
| Number of Pairs            | 1                  |
| Total Number of Conductors | 2                  |
| AWG                        | 22                 |
| Stranding                  | 7x30               |
| Conductor Material         | TC - Tinned Copper |

#### INSULATION:

|                                |                          |
|--------------------------------|--------------------------|
| Insulation Material            | PVC - Polyvinyl Chloride |
| Nom. Insulation Wall Thickness | .010 in.                 |
| Lay Length                     | 1.75 in.                 |
| Twists/ft.                     | 6.86                     |

#### Pair Color Code Chart :

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

#### OUTER SHIELD:

|                                  |                              |
|----------------------------------|------------------------------|
| Outer Shield Material Trade Name | Beldfoil®                    |
| Outer Shield Type                | Tape                         |
| Outer Shield Material            | Aluminum Foil-Polyester Tape |
| Outer Shield % Coverage          | 100 %                        |

#### OUTER SHIELD DRAIN WIRE :

|                                            |                    |
|--------------------------------------------|--------------------|
| Outer Shield Drain Wire AWG                | 24                 |
| Outer Shield Drain Wire Stranding          | 7x32               |
| Outer Shield Drain Wire Conductor Material | TC - Tinned Copper |

#### OUTER JACKET:

|                                     |                          |
|-------------------------------------|--------------------------|
| Outer Jacket Material               | PVC - Polyvinyl Chloride |
| Outer Jacket Nominal Wall Thickness | .020 in.                 |

#### OVERALL NOMINAL DIAMETER:

## 1503A Paired - Single-Pair Cable

|                          |          |
|--------------------------|----------|
| Overall Nominal Diameter | .142 in. |
|--------------------------|----------|

### MECHANICAL CHARACTERISTICS:

|                                  |                   |
|----------------------------------|-------------------|
| Operating Temperature Range      | -30°C To +90°C    |
| UL Temperature Rating            | 60°C              |
| Bulk Cable Weight                | 14.3 lbs/1000 ft. |
| Max. Recommended Pulling Tension | 25 lbs.           |
| Min. Bend Radius (Install)       | 1.5 in.           |

### APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

#### APPLICABLE STANDARDS:

|                                       |            |
|---------------------------------------|------------|
| NEC/(UL) Specification                | CM         |
| CEC/C(UL) Specification               | CM         |
| EU CE Mark (Y/N)                      | Yes        |
| EU RoHS Compliant (Y/N)               | Yes        |
| EU RoHS Compliance Date (mm/dd/yyyy): | 04/01/2005 |

#### FLAME TEST:

|               |              |
|---------------|--------------|
| UL Flame Test | UL1666 Riser |
|---------------|--------------|

#### PLENUM/NON-PLENUM:

|              |   |
|--------------|---|
| Plenum (Y/N) | N |
|--------------|---|

#### ELECTRICAL CHARACTERISTICS:

|                                                 |                               |
|-------------------------------------------------|-------------------------------|
| Nom. Characteristic Impedance                   | 38 Ohms                       |
| Nom. Inductance                                 | .18 µH/ft                     |
| Nom. Capacitance Conductor to Conductor @ 1 KHz | 53 pF/ft                      |
| Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz | 97 pF/ft                      |
| Nominal Velocity of Propagation                 | 66 %                          |
| Nominal Delay                                   | 1.5 ns/ft                     |
| Nom. Conductor DC Resistance @ 20 Deg. C        | 14.7 Ohms/1000 ft             |
| Nominal Outer Shield DC Resistance @ 20 Deg. C  | 18 Ohms/1000 ft               |
| Max. Operating Voltage - UL                     | 300 V RMS                     |
| Max. Recommended Current                        | 2.9 Amps per conductor @ 25°C |

#### PUT-UPS AND COLORS:

| Item           | Description        | Put-Up (ft.) | Ship Weight (lbs.) | Jacket Color | Notes |
|----------------|--------------------|--------------|--------------------|--------------|-------|
| 1503A 001U1000 | 2 #22 PVC FS FRPVC | U1000        | 16                 | BROWN        |       |
| 1503A 002U1000 | 2 #22 PVC FS FRPVC | U1000        | 16                 | RED          |       |
| 1503A 003U1000 | 2 #22 PVC FS FRPVC | U1000        | 16                 | ORANGE       |       |

**1503A Paired - Single-Pair Cable**

|                |                       |       |    |             |  |
|----------------|-----------------------|-------|----|-------------|--|
| 1503A 004U1000 | 2 #22 PVC FS<br>FRPVC | U1000 | 16 | YELLOW      |  |
| 1503A 006U1000 | 2 #22 PVC FS<br>FRPVC | U1000 | 16 | BLUE, LIGHT |  |
| 1503A 007U1000 | 2 #22 PVC FS<br>FRPVC | U1000 | 16 | VIOLET      |  |
| 1503A 008U1000 | 2 #22 PVC FS<br>FRPVC | U1000 | 16 | GRAY        |  |
| 1503A 009U1000 | 2 #22 PVC FS<br>FRPVC | U1000 | 16 | WHITE       |  |
| 1503A 010U1000 | 2 #22 PVC FS<br>FRPVC | U1000 | 16 | BLACK       |  |
| 1503A N3UU1000 | 2 #22 PVC FS<br>FRPVC | U1000 | 16 | GREEN, MIL  |  |

Revision Number: 1      Revision Date: 07-27-2005

© Copyright 2006 Belden, Inc  
All Rights Reserved.

Although Belden ("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 the following environmental regulations: California Proposition 65 Consent Judgment For Wire & Cable Mfgs. (San Francisco Superior Court Nos. 312962 And 320342); EU RoHS (Directive 2002/95/EC, 27-Jan-2003); Material manufactured prior to the compliance date may still be in stock at Belden facilities and in our Distributor's inventory. EU ELV (Directive 2000/53/EC, 18-Sept-2000); EU WEEE (Directive 2002/96/EC, 27-Jan-2003); And EU BFR (Directive 2003/11/EC, 6-Feb-2003). 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 the 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](mailto:ocean@oceanchips.ru)

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

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