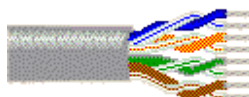


## 1752A Multi-Conductor - Enhanced Category 5e Bonded-Pair Patch Cable



For more Information  
please call

1-800-Belden1

**Description:**

24 AWG Bonded-Pairs, Bonded Stranded (7x32) Tinned Copper Conductors, Non-Plenum, Polyolefin Insulation, RJ-45 Compatible, PVC Jacket

**Usage (Overall)****Suitable Applications:**

Premise Patch Cable, Gigabit Ethernet, 100BaseTX, 100BaseVG ANYLAN, 155ATM, 622ATM, NTSC/PAL Component or Composite Video, AES/EBU, Digital Video, RS-422, Noisy Environments

**Physical Characteristics (Overall)****Conductor****AWG:**

| # Pairs | AWG | Stranding | Conductor Material                 |
|---------|-----|-----------|------------------------------------|
| 4       | 24  | 7x32      | TC - Tinned Copper, Bonded Strands |

**Insulation****Insulation Material:**

| Insulation Material |
|---------------------|
| PO - Polyolefin     |

**Outer Shield****Outer Shield Material:**

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

**Outer Jacket****Outer Jacket Material:**

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

**Outer Jacket Diameter:**

| Nom. Dia. (mm) |
|----------------|
| 5.588          |

**Overall Cabling**

**Overall Nominal Diameter:** 5.588 mm

**Pair****Pair Color Code Chart:**

| Number | Color                        |
|--------|------------------------------|
| 1      | White/Blue Stripe & Blue     |
| 2      | White/Orange Stripe & Orange |
| 3      | White/Green Stripe & Green   |
| 4      | White/Brown Stripe & Brown   |

**Mechanical Characteristics (Overall)**

**Operating Temperature Range:** -20°C To +80°C

**Bulk Cable Weight:** 37.205 Kg/Km

**Max. Recommended Pulling Tension:** 177.928 N

**Min. Bend Radius (Install)/Minor Axis:** 19.050 mm

## 1752A Multi-Conductor - Enhanced Category 5e Bonded-Pair Patch Cable

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

CEC/C(UL) Specification: CM

Other Standards: ISO/IEC 11801 ed 2.1 (2008) Class D

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 &amp; Cable): Yes

MII Order #39 (China RoHS): Yes

Telecommunications Standards: Category 5e - TIA 568.C.2

Other Specification: ICEA 661, Cat 5e-100 Patch, UL verified to Category 5e Patch

## Applicable Patents:

| Country | Patent  |
|---------|---------|
| US      | 5606151 |
| US      | 5734126 |
| US      | 5763823 |

## Flame Test

UL Flame Test: UL1685 UL Loading

CSA Flame Test: FT1

## Plenum/Non-Plenum

Plenum (Y/N): No

## Electrical Characteristics (Overall)

## Nom. Mutual Capacitance:

| Capacitance (pF/m) |
|--------------------|
| 49.215             |

Maximum Capacitance Unbalance (pF/100 m): 66

## Nominal Velocity of Propagation:

| VP (%) |
|--------|
| 70     |

## Maximum Delay:

| Delay (ns/100 m) |
|------------------|
| 510              |

## Max. Delay Skew:

| Delay Skew (ns/100 m) |
|-----------------------|
| 25                    |

## Maximum Conductor DC Resistance:

| DCR @ 20°C (Ohm/100 m) |
|------------------------|
| 9                      |

## Max. Operating Voltage - UL:

| Voltage   |
|-----------|
| 300 V RMS |

## Maximum DCR Unbalanced:

| DCR Unbalance @ 20°C (%) |
|--------------------------|
| 3                        |

## 1752A Multi-Conductor - Enhanced Category 5e Bonded-Pair Patch Cable

## Electrical Characteristics-Premise (Overall)

Premise Cable Electrical Table 1:

| Freq. (MHz) | Max. Attenuation (dB/100 m) | Min. NEXT (dB) | Min. PSNEXT (dB) | Min. PSACR (dB) | Min RL (dB) |
|-------------|-----------------------------|----------------|------------------|-----------------|-------------|
| 1           | 2.4                         | 65.3           | 65.3             | 62.9            | 20.0        |
| 4           | 4.8                         | 56.3           | 56.3             | 51.5            | 23.0        |
| 8           | 6.8                         | 51.8           | 51.8             | 45.0            | 24.5        |
| 10          | 7.7                         | 50.3           | 50.3             | 42.6            | 25.0        |
| 16          | 9.7                         | 47.3           | 47.3             | 37.5            | 25.0        |
| 20          | 11.0                        | 45.8           | 45.8             | 34.8            | 25.0        |
| 25          | 12.4                        | 44.3           | 44.3             | 31.9            | 24.3        |
| 31.25       | 13.9                        | 42.9           | 42.9             | 29.0            | 23.6        |
| 62.5        | 20.2                        | 38.4           | 38.4             | 18.3            | 21.5        |
| 100         | 26.0                        | 35.3           | 35.3             | 9.2             | 20.1        |
| 155         | 33.2                        | 32.5           | 32.5             | 0               | 19.0        |
| 200         | 38.4                        | 30.8           | 30.8             |                 | 19.0        |
| 250         | 43.7                        | 29.3           | 29.3             |                 | 18.0        |
| 300         | 48.6                        | 28.2           | 28.2             |                 | 18.0        |
| 310         | 49.5                        | 27.9           | 27.9             |                 | 18.0        |
| 350         | 53.2                        | 27.2           | 27.2             |                 | 17.0        |

Premise Cable Electrical Table 2:

| Freq. (MHz) | Input (Unfitted) Imp. (Ohms) | Fitted Impedance | Min. ELFEXT (dB) | Min. PSELFEXT (dB) |
|-------------|------------------------------|------------------|------------------|--------------------|
| 1           | 100 ± 12                     | 105 ± 10         | 63.8             | 60.8               |
| 4           | 100 ± 12                     | 100 ± 10         | 51.7             | 48.7               |
| 8           | 100 ± 12                     | 100 ± 10         | 45.7             | 42.7               |
| 10          | 100 ± 12                     | 100 ± 10         | 43.8             | 40.8               |
| 16          | 100 ± 12                     | 100 ± 10         | 39.7             | 36.7               |
| 20          | 100 ± 12                     | 100 ± 10         | 37.7             | 34.7               |
| 25          | 100 ± 15                     | 100 ± 10         | 35.8             | 32.8               |
| 31.25       | 100 ± 15                     | 100 ± 10         | 33.9             | 30.9               |
| 62.5        | 100 ± 15                     | 100 ± 10         | 27.8             | 24.9               |
| 100         | 100 ± 15                     | 100 ± 10         | 23.8             | 20.8               |
| 155         | 100 ± 18                     | 100 ± 10         | 19.9             | 16.9               |
| 200         | 100 ± 20                     | 100 ± 10         | 17.7             | 14.7               |
| 250         | 100 ± 20                     | 100 ± 10         | 15.8             | 12.8               |
| 300         | 100 ± 20                     | 100 ± 10         | 14.2             | 11.2               |
| 310         | 100 ± 20                     | 100 ± 10         | 13.9             | 10.9               |
| 350         | 100 ± 22                     | 100 ± 10         | 12.9             | 9.9                |

## Notes (Overall)

**Notes:** Jacket sequentially marked at 2 ft. intervals. Third party verified to ANSI/TIA-568-C.2, Category 5e Patch.

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

| Item #         | Putup  | Ship Weight | Color       | Notes | Item Desc                  |
|----------------|--------|-------------|-------------|-------|----------------------------|
| 1752A F2VU1000 | 305 MT | 10.886 KG   | GRAY, DEC   |       | CAT5E+ PATCH U/UTP CM BOX  |
| 1752A F2V1000  | 305 MT | 11.793 KG   | GRAY, DEC   | C     | CAT5E+ PATCH U/UTP CM REEL |
| 1752A 002U1000 | 305 MT | 10.886 KG   | RED         |       | CAT5E+ PATCH U/UTP CM BOX  |
| 1752A 0021000  | 305 MT | 11.793 KG   | RED         | C     | CAT5E+ PATCH U/UTP CM REEL |
| 1752A 003U1000 | 305 MT | 10.886 KG   | ORANGE      |       | CAT5E+ PATCH U/UTP CM BOX  |
| 1752A 0031000  | 305 MT | 11.793 KG   | ORANGE      | C     | CAT5E+ PATCH U/UTP CM REEL |
| 1752A 004U1000 | 305 MT | 10.886 KG   | YELLOW      |       | CAT5E+ PATCH U/UTP CM BOX  |
| 1752A 0041000  | 305 MT | 11.793 KG   | YELLOW      | C     | CAT5E+ PATCH U/UTP CM REEL |
| 1752A 005U1000 | 305 MT | 10.886 KG   | GREEN, DARK |       | CAT5E+ PATCH U/UTP CM BOX  |
| 1752A 0051000  | 305 MT | 11.793 KG   | GREEN, DARK | C     | CAT5E+ PATCH U/UTP CM REEL |
| 1752A 006U1000 | 305 MT | 10.886 KG   | BLUE, LIGHT |       | CAT5E+ PATCH U/UTP CM BOX  |

## METRIC MEASUREMENT VERSION

## 1752A Multi-Conductor - Enhanced Category 5e Bonded-Pair Patch Cable

|                |        |           |             |   |                            |
|----------------|--------|-----------|-------------|---|----------------------------|
| 1752A 0061000  | 305 MT | 11.793 KG | BLUE, LIGHT | C | CAT5E+ PATCH U/UTP CM REEL |
| 1752A 007U1000 | 305 MT | 10.886 KG | VIOLET      |   | CAT5E+ PATCH U/UTP CM BOX  |
| 1752A 0071000  | 305 MT | 11.793 KG | VIOLET      | C | CAT5E+ PATCH U/UTP CM REEL |
| 1752A 010U1000 | 305 MT | 10.886 KG | BLACK       |   | CAT5E+ PATCH U/UTP CM BOX  |
| 1752A 0101000  | 305 MT | 11.793 KG | BLACK       | C | CAT5E+ PATCH U/UTP CM REEL |

**Notes:**

C = CRATE REEL PUT-UP.

Revision Number: 4    Revision Date: 05-03-2011

© 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 «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)

[www.lifeelectronics.ru](http://www.lifeelectronics.ru)