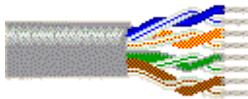


1752A Multi-Conductor - Enhanced Category 5e Bonded-Pair Patch Cable

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 & 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 & 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 «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.