

Product: <u>10GX UTP LSZH PATCH CORDS</u>

10GX Patch Cord UTP LSZH



Product Description 10GX Copper Patch Cord UTP LSZH

Technical Specifications

Product Overview

Physical Characteristics (Overall)

Conductor

| oonuut | | | | |
|----------|--------------|------------------|------------------|--------------|
| AWG | Stranding | Material | Nominal Diameter | No. of Pairs |
| 26 | Stranded | BC - Bare Copper | 6.1 mm | 4 |
| Total N | lumber of Pa | airs: 4 | | |
| Insulati | on | | | |
| | Material | | | |
| PE - P | olyethylene | (Foam) | | |

Inner Shield

| Element | Туре | Material |
|------------------------|------|-------------------------|
| Floating Shielded Pair | Tape | Bi-Laminate (Alum+Poly) |

Inner Jacket

Material No Jacket

Outer Shield

| Туре | Material |
|-------|--------------------|
| Braid | Tinned Copper (TC) |

Outer Jacket

| Mat | Material Nominal Dia | |
|-------------------------|---|--------------------|
| LSZH - Low Smoke Zero I | LSZH - Low Smoke Zero Halogen (Flame Retardant) 6.1 n | |
| Wiring Scheme: | T568A/B-T568A/B | |
| Packaging: | Individually packaged in a | clear plastic bag. |

Connectors

Materials

| Description | Material | Туре |
|------------------|--|----------|
| Plug | Polycarbonate | RJ45 |
| Boot | LSZH | Snagless |
| Front Connection | Phosphor Bronze with 50u inch Gold over Nickel Plating | Blades |

Electrical Characteristics

| Dielectric Strength: | 2.5 KV DC |
|-------------------------|--------------|
| Current Rating: | 1 A |
| Insulation Resistance: | 5000 MOhm*km |
| Max Contact Resistance: | 20 mOhm |

Voltage

| Voltage Rating [V] 72 V DC | |
|-------------------------------|--|
| Performance Footnote1: | There is 1dB margin on NEXT and RL guaranteed compared to ISO/IEC 11801-1:2017 |
| Performance Footnote2: | The performance data below 4Mhz or above 500Mhz are for information only. |

Temperature Range

| Installation Temperature Range: | 0°C To +50°C |
|------------------------------------|----------------|
| Operating Temperature Range: | -20°C to +60°C |

Mechanical Characteristics

| Min Bend Radius (Overall Cable): | 25 mm |
|-------------------------------------|-------|
| Plug /Jack Compatibility: | RJ45 |

Termination Interface

| Termination | Connection | Durabilities |
|-------------|------------------|--------------|
| RJ45 | Mated Connection | 750 Cycles |

Standards

| ISO/IEC Compliance: | ISO/IEC 11801-1 |
|---------------------|--|
| Data Category: | Category 6A |
| TIA/EIA Compliance: | ISO/IEC 11801-1:2017; EN 50173-1 Amd 1 Caregory 6A; ANSI/TIA/EIA 568 C.2 Category 6A |

Applicable Environmental and Other Programs

| Environmental Space: | Indoor Rated (Not Riser or Plenum) |
|----------------------|------------------------------------|
| | |

Suitability

Suitability - Indoor:

Flammability, LS0H, Toxicity Testing

Yes

IEC Flammability: IEC 60332-3-22

Related Part Numbers

Related Parts: 10GX Modular Jacks, 10GX Patch Panels

Variants

| Item # | Color | Length |
|-------------|-------|--------|
| CA24100001M | Black | 1 m |
| CA24100002M | Black | 2 m |
| CA24100003M | Black | 3 m |
| CA24100005M | Black | 5 m |
| CA24100007M | Black | 7 m |
| CA24100010M | Black | 10 m |
| CA24100015M | Black | 15 m |
| CA241000D5M | Black | 0.5 m |
| CA241001D5M | Black | 1.5 m |
| CA24106001M | Blue | 1 m |
| CA24106002M | Blue | 2 m |
| CA24106003M | Blue | 3 m |
| CA24106004M | Blue | 4 m |
| CA24106005M | Blue | 5 m |
| CA24106006M | Blue | 6 m |
| CA24106010M | Blue | 10 m |
| CA24106015M | Blue | 15 m |

| | - | |
|----------------------------|--------|-------|
| CA24106016M | | 16 m |
| CA241060D5M | Blue | 0.5 m |
| CA24106020M | Blue | 20 m |
| CA24106007M | Blue | 7 m |
| CA24106008M | Blue | 8 m |
| CA241061D5M | Blue | 1.5 m |
| CA24108001M | Gray | 1 m |
| CA24108002M | Gray | 2 m |
| CA24108003M | Gray | 3 m |
| CA24108005M | Gray | 5 m |
| CA24108007M | Gray | 7 m |
| CA24108010M | Gray | 10 m |
| CA24108012M | Gray | 12 m |
| CA24108015M | Gray | 15 m |
| CA24108016M | Gray | 16 m |
| CA24108020M | Gray | 20 m |
| CA24108050M | Gray | 50 m |
| CA241080D5M | Gray | 0.5 m |
| CA241084D6M | Gray | 4.6 m |
| CA24408050M | Gray | 50 m |
| CA24105001M | Green | 1 m |
| CA24105002M | Green | 2 m |
| CA24105003M | Green | 3 m |
| CA24105005M | Green | 5 m |
| CA24105010M | Green | 10 m |
| CA24105016M | Green | 16 m |
| CA241050D5M | Green | 0.5 m |
| CA24103001M | Orange | 1 m |
| CA24103002M | Orange | 2 m |
| CA24103003M | Orange | 3 m |
| CA24103005M | Orange | 5 m |
| CA24103010M | Orange | 10 m |
| CA241030D5M | Orange | 0.5 m |
| CA24102001M | Red | 1 m |
| CA24102002M | Red | 2 m |
| CA24102003M | Red | 3 m |
| CA24102005M | Red | 5 m |
| CA24102010M | Red | 10 m |
| CA24102015M | Red | 15 m |
| CA24102016M | Red | 16 m |
| CA241020D5M | Red | 0.5 m |
| CA24102020M | Red | 20 m |
| CA24402003M | Red | 3 m |
| CA24402020M | Red | 20 m |
| CA24107001M | Violet | 1 m |
| CA24107002M | Violet | 2 m |
| CA24107003M | Violet | 3 m |
| CA24107005M | Violet | 5 m |
| CA24107010M | Violet | 10 m |
| CA24109001M | White | 1 m |
| CA24109002M | White | 2 m |
| CA24109002M | White | 2 m |
| CA24109005M | White | |
| CA24109005M | White | 5 m |
| CA24109010M CA241090D5M | | 10 m |
| | White | 0.5 m |
| CA24109009M | White | 9 m |
| CA24104001M | Yellow | 1 m |
| CA24104002M | Yellow | 2 m |
| CA24104003M | Yellow | 3 m |
| CA24104005M | Yellow | 5 m |
| CA24104010M | Yellow | 10 m |
| | | |

CA24104070M Yellow 70 m

History

| Update and Revision: | Revision Number: 0.170 Revision Date: 12-19-2023 | |
|----------------------|--|--|
|----------------------|--|--|

© 2025 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.