# CAT5e U/UTP Cable

3m



| | |
|---|---|
| Cable Standard | CAT5e |
| Cable Shielding | U/UTP |
| Connector 1 | RJ-45 |
| Connector 1 Gender | Male |
| Connector 1 Form Factor | Straight |
| Connector 2 | RJ-45 |
| Connector 2 Gender | Male |
| Connector 2 Form Factor | Straight |
| Cable Length | 3m |
| Conductor Type | Stranded |
| Conductor Material | Copper |
| Jacket Material | Polyvinyl chloride (PVC) |
| Connector Contacts Plating | 50U" Gold |
| AWG Wire Size | 24 |
| Outer Diameter | 5.4mm |
| Product Color | Grey |
| Weight | 122g |
| Cabling Technology | 10/100/1000Base-T(X) |
| Networking standard | IEEE 802.3at |
| PoE Compatability | PoE, PoE + |
| Data Transfer Rate | 1000 Mbps |
| Operating Temperature | -10° - 60° C |
| Storage Temperature | -15° - 60° C |
| Certification | REACH, RoHS, CE |
| Plug and Play | Yes |

**Part no. 5UTP-03G**

The ProXtend CAT5e U/UTP CU ethernet cables are produced with 99.9% pure copper strands and an AWG of 24 to ensure the absolute best performance.

The cable is reinforced with strain relief for increased durability and a snagless latch protection allowing for secure installation.

CAT5e | U/UTP | CU | PoE +

30 YEAR WARRANTY

See more products on

**proxtend.com**

# Network cables

## CAT5e U/UTP CU

The ProXtend CAT5e U/UTP CU ethernet cables are produced with 99.9% pure copper strands and an AWG of 24 to ensure the absolute best performance. The cable is reinforced with strain relief for increased durability and a snagless latch protection allowing for secure installation.

Plated with 50"U gold, the connector provides more durability and a higher quality transmission rate. A 50"U gold connector can deliver up to 4x more throughput than a standard metal connector. 50"U is the thickest available and most optimal gold plating.

All ProXtend CAT5e U/UTP CU ethernet cables support PoE+.




30 YEAR WARRANTY

## A vast variety of length and colour options

| | GREY | WHITE | BLACK | BLUE | GREEN | ORANGE | RED | YELLOW |
|---|---|---|---|---|---|---|---|---|
| 30cm | 5UTP-003G | 5UTP-003W | 5UTP-003B | 5UTP-003BL | 5UTP-003GR | 5UTP-003O | 5UTP-003R | 5UTP-003Y |
| 0.5m | 5UTP-005G | 5UTP-005W | 5UTP-005B | 5UTP-005BL | 5UTP-005GR | 5UTP-005O | 5UTP-005R | 5UTP-005Y |
| 1m | 5UTP-01G | 5UTP-01W | 5UTP-01B | 5UTP-01BL | 5UTP-01GR | 5UTP-01O | 5UTP-01R | 5UTP-01Y |
| 1.5m | 5UTP-015G | 5UTP-015W | 5UTP-015B | 5UTP-015BL | 5UTP-015GR | 5UTP-015O | 5UTP-015R | 5UTP-015Y |
| 2m | 5UTP-02G | 5UTP-02W | 5UTP-02B | 5UTP-02BL | 5UTP-02GR | 5UTP-02O | 5UTP-02R | 5UTP-02Y |
| 3m | 5UTP-03G | 5UTP-03W | 5UTP-03B | 5UTP-03BL | 5UTP-03GR | 5UTP-03O | 5UTP-03R | 5UTP-03Y |
| 5m | 5UTP-05G | 5UTP-05W | 5UTP-05B | 5UTP-05BL | 5UTP-05GR | 5UTP-05O | 5UTP-05R | 5UTP-05Y |
| 7M | 5UTP-07G | 5UTP-07W | 5UTP-07B | 5UTP-07BL | 5UTP-07GR | 5UTP-07O | 5UTP-07R | 5UTP-07Y |
| 10m | 5UTP-10G | 5UTP-10W | 5UTP-10B | 5UTP-10BL | 5UTP-10GR | 5UTP-10O | 5UTP-10R | 5UTP-10Y |
| 15m | 5UTP-15G | 5UTP-15W | 5UTP-15B | 5UTP-15BL | 5UTP-15GR | 5UTP-15O | 5UTP-15R | 5UTP-15Y |
| 20m | 5UTP-20G | 5UTP-20W | X | X | X | X | X | X |
| 25m | 5UTP-25G | 5UTP-25W | X | X | X | X | X | X |
| 30m | 5UTP-30G | 5UTP-30W | X | X | X | X | X | X |

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ProXtend

# Twisted pair
# Network Cables

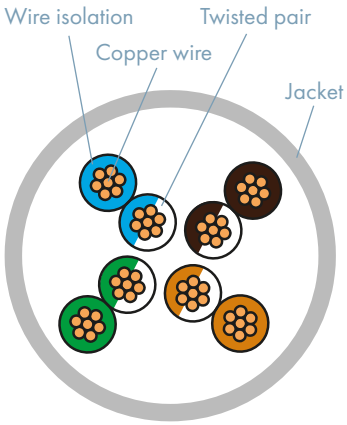


A standard network cable contains eight strands twisted into four pairs.

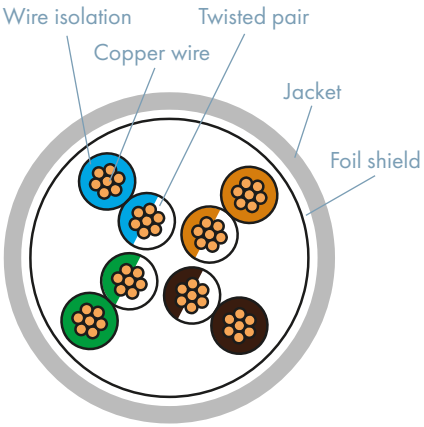
The twisting of the pairs and an electronically conductive shield not only reduce the likelyhood of cross-talk between neighboring pairs of conductors within the cable, but also cause the cable to be more reselient to interference from external magnetic altering fields, which can be caused by any cables that conduct electricity.

## Jacket

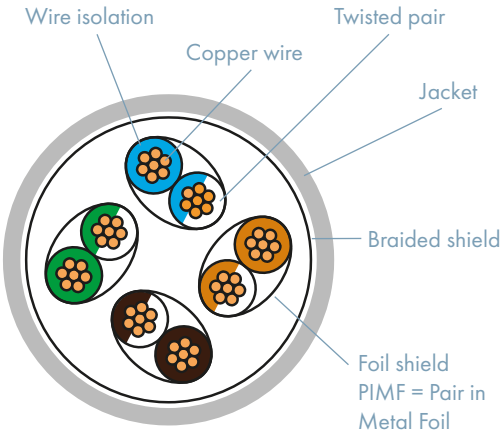
ProXtend supports three main types of materials used for network cable jackets: PVC (Polyvinyl Chloride), PE (Polyethylene) and LSZH, also known as LS0H (Low Smoke Zero Halogen). Although PVC cables are softer, flexible and easier to handle, the LSZH cables are firmer and less flexible due to their flame retardant compound. The halogen-free jacket of LSZH network cables does not produce dangerous gas, smoke or acid in case of fire and is in many cases becoming a requirement in systems where the protection of people and equipment from toxic and corrosive gasses is critical. The PE jacket is resistant to weathering and UV radiation, which makes it the most common option for outdoor cable systems.




U/UTP




F/UTP




S/FTP

## Shielding

The two basic types of cables are shielded and unshielded. In contrast to the shielded cables, the unshileded cables offer a lesser quality transmission rate, which becomes noticable at high transmission rates and over long lines. A shielded cable, or a twisted pair, is wrapped in a foil screen which protects the cable from electromagnetic interference (EMI). A cable's shielding can easily be deciphered once the naming convention is understood. The part of the name before the slash (/) signifies the shielding of the outer cable jacket which can be U (unshielded), F (foil shielded), S (braided shield), SF (braided and foil shielded); while the part of the name after the slash signifies the type of shielding of the twisted pairs (TP). The twisted pair shielding can be U (unshielded), F (foil shielded) and S (braided shield). As an example, a U/UTP cable translates to unshielded outer jacket/unshielded twisted pairs.

## Categories

Twisted pair network cables are standardized and divided into different categories based on performance.

| CATEGORY | MAX. DATA RATE | BANDWITH | APPLICATION |
|---|---|---|---|
| CAT 5e | 1 Gbps | 100 MHz | 1GBase-T |
| CAT 6 | 1 Gbps | 250 MHz | 1GBase-T, 155-MBit-ATM, 622-MBit-ATM |
| CAT 6a | 10 Gbps | 500 MHz | 10GBase-T |
| CAT 7 | 10 Gbps | 600 MHz | 10GBase-T |