



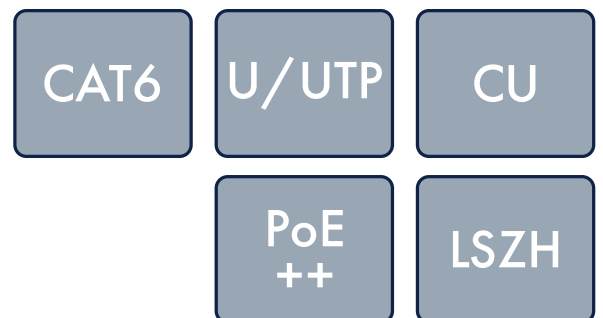
# Ultra Slim CAT6 U/UTP Cable 5m



Part no. S-6UTP-05R

The ProXtend Ultra Slim CAT6 U/UTP CU ethernet cables are produced with 99.9% pure copper strands and an AWG of 28 to ensure the absolute best performance.

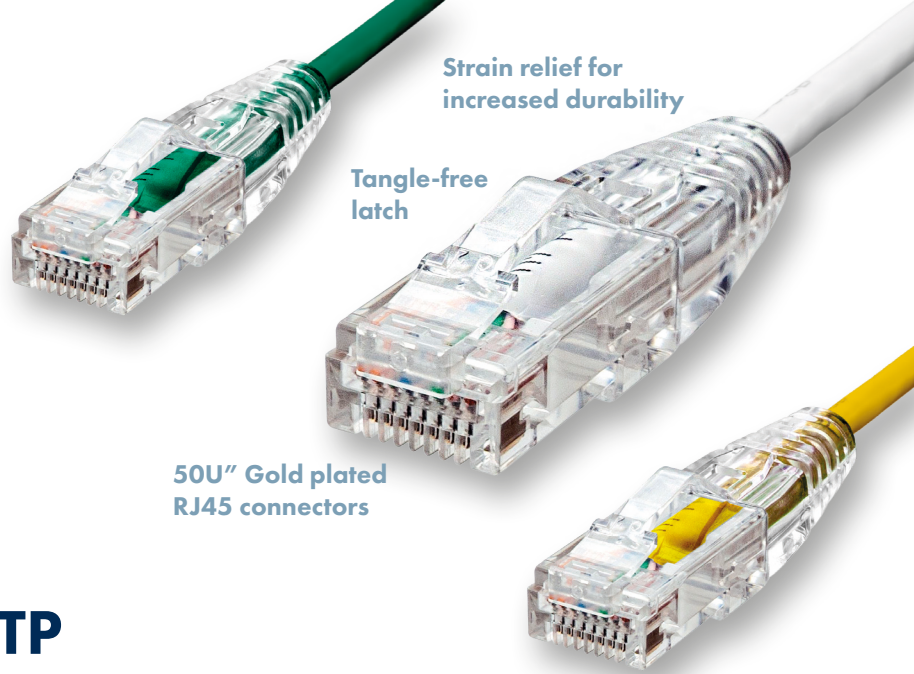
The cable is reinforced with strain relief and a tangle free latch allowing for secure installation. The 3.6mm ultra slim form of the cable makes it more flexible and ensures a better air flow and cooling performance in complex network systems.



|                            |                               |
|----------------------------|-------------------------------|
| Cable Standard             | CAT6                          |
| 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               | 5m                            |
| Conductor Type             | Stranded                      |
| Conductor Material         | Copper                        |
| Jacket Material            | Low Smoke Zero Halogen (LSZH) |
| Connector Contacts Plating | 50U" Gold                     |
| AWG Wire Size              | 28                            |
| Outer Diameter             | 3.6mm                         |
| Product Color              | Red                           |
| Weight                     | 0.092g                        |
| Cabling Technology         | 10/100Base-T                  |
| Networking standard        | IEEE 802.3af                  |
| PoE Compatability          | PoE, PoE +, PoE ++            |
| Data Transfer Rate         | 1000 Mbps                     |
| Operating Temperature      | -20° - 60° C                  |
| Storage Temperature        | 0° - 50° C                    |
| Certification              | REACH, RoHS, CE               |
| Plug and Play              | Yes                           |

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# Network Cables



Strain relief for increased durability

Tangle-free latch

50U" Gold plated RJ45 connectors

## Ultra Slim CAT6 U/UTP

The ProXtend Ultra Slim CAT6 U/UTP ethernet cables are designed for high density environments (data centers and telecom rooms) where space is limited. Produced with 99.9% pure copper strands and an AWG of 28 ensuring the absolute best performance. The outer jacket of the cable is made from LSZH (Low Smoke Zero Halogen) ensuring low amounts of smoke, toxic fumes, and no acid gasses in case of a fire. The cable is reinforced with strain relief and a tangle free latch allowing for secure installation. The 3.6mm ultra slim cable makes it more flexible and ensures a better air flow and cooling performance in complex network systems.

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 standard.

All ProXtend Ultra Slim CAT6 U/UTP ethernet cables support PoE++.

Supporting a variety of cable standards, lengths and shieldings, ProXtend is your one stop shop for ethernet cables ensuring that you are always able to find a cable that best suits your network requirements.



## A vast variety of length and colour options

|        | GREY         | WHITE        | BLACK        | BLUE          | GREEN         | ORANGE       | RED          | YELLOW       |
|--------|--------------|--------------|--------------|---------------|---------------|--------------|--------------|--------------|
| 20 cm  | S-6UTP-002G  | S-6UTP-002W  | S-6UTP-002B  | S-6UTP-002BL  | S-6UTP-002GR  | S-6UTP-002O  | S-6UTP-002R  | S-6UTP-002Y  |
| 25 cm  | S-6UTP-0025G | S-6UTP-0025W | S-6UTP-0025B | S-6UTP-0025BL | S-6UTP-0025GR | S-6UTP-0025O | S-6UTP-0025R | S-6UTP-0025Y |
| 30 cm  | S-6UTP-003G  | S-6UTP-003W  | S-6UTP-003B  | S-6UTP-003BL  | S-6UTP-003GR  | S-6UTP-003O  | S-6UTP-003R  | S-6UTP-003Y  |
| 0.5 m  | S-6UTP-005G  | S-6UTP-005W  | S-6UTP-005B  | S-6UTP-005BL  | S-6UTP-005GR  | S-6UTP-005O  | S-6UTP-005R  | S-6UTP-005Y  |
| 0.75 m | S-6UTP-0075G | S-6UTP-0075W | S-6UTP-0075B | S-6UTP-0075BL | S-6UTP-0075GR | S-6UTP-0075O | S-6UTP-0075R | S-6UTP-0075Y |
| 1 m    | S-6UTP-01G   | S-6UTP-01W   | S-6UTP-01B   | S-6UTP-01BL   | S-6UTP-01GR   | S-6UTP-01O   | S-6UTP-01R   | S-6UTP-01Y   |
| 1.5 m  | S-6UTP-015G  | S-6UTP-015W  | S-6UTP-015B  | S-6UTP-015BL  | S-6UTP-015GR  | S-6UTP-015O  | S-6UTP-015R  | S-6UTP-015Y  |
| 2 m    | S-6UTP-02G   | S-6UTP-02W   | S-6UTP-02B   | S-6UTP-02BL   | S-6UTP-02GR   | S-6UTP-02O   | S-6UTP-02R   | S-6UTP-02Y   |
| 3 m    | S-6UTP-03G   | S-6UTP-03W   | S-6UTP-03B   | S-6UTP-03BL   | S-6UTP-03GR   | S-6UTP-03O   | S-6UTP-03R   | S-6UTP-03Y   |
| 4 m    | S-6UTP-04G   | S-6UTP-04W   | S-6UTP-04B   | S-6UTP-04BL   | S-6UTP-04GR   | S-6UTP-04O   | S-6UTP-04R   | S-6UTP-04Y   |
| 5 m    | S-6UTP-05G   | S-6UTP-05W   | S-6UTP-05B   | S-6UTP-05BL   | S-6UTP-05GR   | S-6UTP-05O   | S-6UTP-05R   | S-6UTP-05Y   |



# 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 likelihood of cross-talk between neighboring pairs of conductors within the cable, but also cause the cable to be more resilient 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 LSOH (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.



## Shielding

The two basic types of cables are shielded and unshielded. In contrast to the shielded cables, the unshielded cables offer a lesser quality transmission rate, which becomes noticeable 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 | BANDWIDTH | 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                            |