CAT6 U/UTP Cable

5m

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	24
Outer Diameter	6mm
Product Color	Orange
Weight	208g
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. 6UTP-05O

The ProXtend CAT6 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 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 for increased durability and a snagless latch protection allowing for secure installation.

CAT6 | U/UTP | CU | LSZH | PoE +

30 YEAR WARRANTY

See more products on
proxtend.com

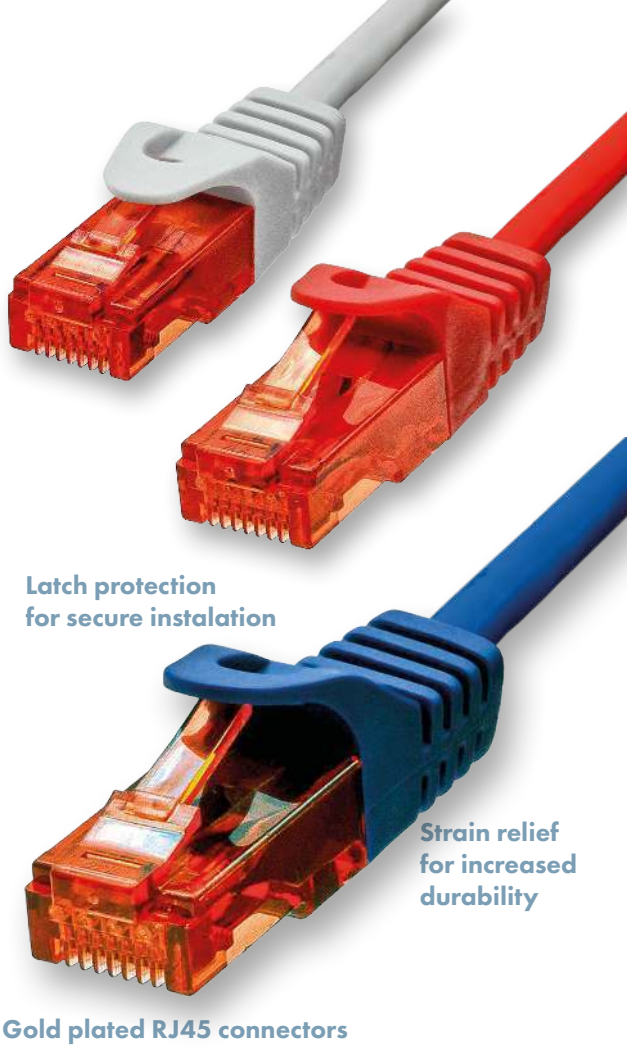
Network cables

CAT6 U/UTP CU

The ProXtend CAT6 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 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 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 CAT6 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
	Grey	White	Black	Blue	Green	Orange	Red	Yellow
20cm	6UTP-002G	6UTP-002W	6UTP-002B	6UTP-002BL	6UTP-002GR	6UTP-002O	6UTP-002R	6UTP-002Y
25cm	6UTP-0025G	6UTP-0025W	6UTP-0025B	6UTP-0025BL	6UTP-0025GR	6UTP-0025O	6UTP-0025R	6UTP-0025Y
30cm	6UTP-003G	6UTP-003W	6UTP-003B	6UTP-003BL	6UTP-003GR	6UTP-003O	6UTP-003R	6UTP-003Y
0.5m	6UTP-005G	6UTP-005W	6UTP-005B	6UTP-005BL	6UTP-005GR	6UTP-005O	6UTP-005R	6UTP-005Y
0,75m	6UTP-0075G	6UTP-0075W	6UTP-0075B	6UTP-0075BL	6UTP-0075GR	6UTP-0075O	6UTP-0075R	6UTP-0075Y
1m	6UTP-01G	6UTP-01W	6UTP-01B	6UTP-01BL	6UTP-01GR	6UTP-01O	6UTP-01R	6UTP-01Y
1.5m	6UTP-015G	6UTP-015W	6UTP-015B	6UTP-015BL	6UTP-015GR	6UTP-015O	6UTP-015R	6UTP-015Y
2m	6UTP-02G	6UTP-02W	6UTP-02B	6UTP-02BL	6UTP-02GR	6UTP-02O	6UTP-02R	6UTP-02Y
3m	6UTP-03G	6UTP-03W	6UTP-03B	6UTP-03BL	6UTP-03GR	6UTP-03O	6UTP-03R	6UTP-03Y
5m	6UTP-05G	6UTP-05W	6UTP-05B	6UTP-05BL	6UTP-05GR	6UTP-05O	6UTP-05R	6UTP-05Y
7M	6UTP-07G	6UTP-07W	6UTP-07B	6UTP-07BL	6UTP-07GR	6UTP-07O	6UTP-07R	6UTP-07Y
10m	6UTP-010G	6UTP-010W	6UTP-010B	6UTP-010BL	6UTP-010GR	6UTP-010O	6UTP-010R	6UTP-010Y
15m	6UTP-015G	6UTP-015W	6UTP-015B	6UTP-015BL	6UTP-015GR	6UTP-015O	6UTP-015R	6UTP-015Y
20m	6UTP-020G	6UTP-020W	6UTP-020B	6UTP-020BL	6UTP-020GR	6UTP-020O	6UTP-020R	6UTP-020Y
25m	6UTP-25G	6UTP-25W	X	X	X	X	X	X
30m	6UTP-30G	6UTP-30W	X	X	X	X	X	X

A-BRAND QUALITY — COMPETITIVE PRICES — EXTENDED WARRANTY — EXPRESS DELIVERY — PRODUCT SUPPORT & KNOW HOW — MARKETING SUPPORT

proxtend.com

ProXtend

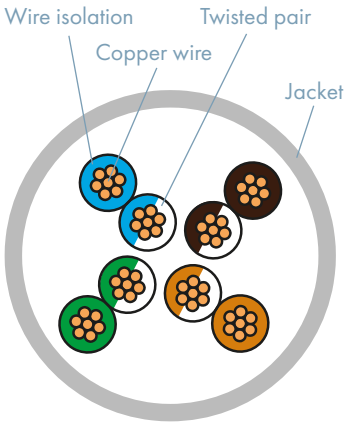
Twisted pair
Network Cables

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

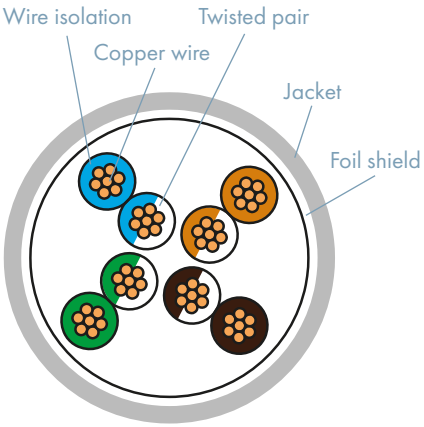
The twisting of the pairs and an electronically conductive shield not only reduce the likelyhood of cross-talk between neighboring pairs of conductors within the cable, but also cause the cable to be more reselient to interference from external magnetic altering fields, which can be caused by any cables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

Jacket

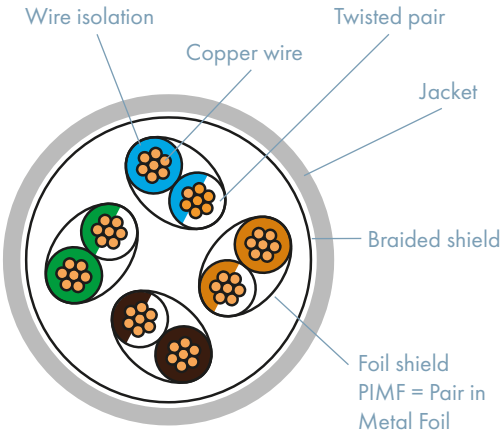
ProXtend supports three main types of materials used for network cable jackets: PVC (Polyvinyl Chloride), PE (Polyethylene) and LSZH, also known as LS0H (Low Smoke Zero Halogen). Although PVC cables are softer, flexible and easier to handle, the LSZH cables are firmer and less flexible due to their flame 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