CAT6 F/UTP Cable
7m



Cable Standard	CAT6
Cable Shielding	F/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	7m
Conductor Type	Stranded
Conductor Material	Copper
Jacket Material	Low Smoke Zero Halogen (LSZH)
Connector Contacts Plating	50U" Gold
AWG Wire Size	26
Outer Diameter	5.8mm
Product Color	Green
Weight	254g
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. 6FUTP-07GR

The ProXtend CAT6 F/UTP CU ethernet cables are produced with 99.9% pure copper strands and an AWG of 26 to ensure the absolute best performance.

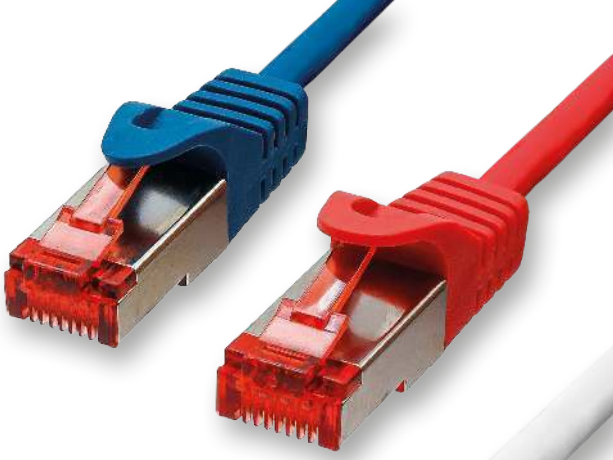
The cable is also wrapped in a foil screen that enables protection against electromagnetic interference (EMI), and reinforced with strain relief for increased durability and a snagless latch protection allowing secure installation.

CAT6 F/UTP LSZH CU

30 YEAR WARRANTY

See more products on
proxtend.com

Network cables



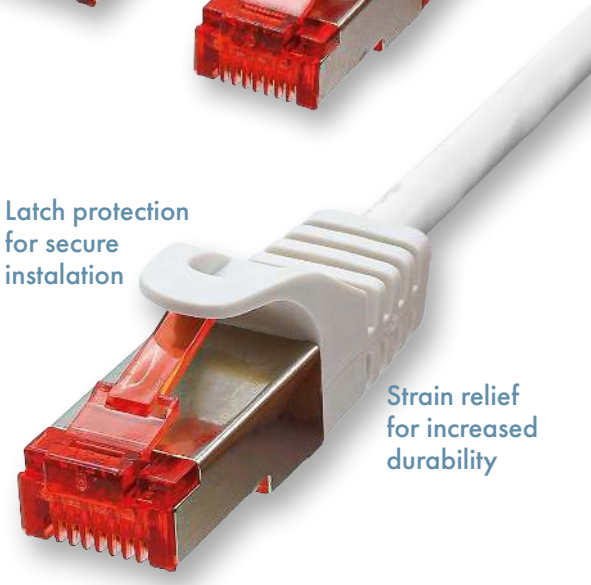
CAT6 F/UTP CU

The ProXtend CAT6 F/UTP CU ethernet cables are produced with 99.9% pure copper strands and an AWG of 26 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 also wrapped in a foil screen that enables protection against electromagnetic interference (EMI), and reinforced with strain relief for increased durability and a snagless latch protection allowing 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 F/UTP CU 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.



30 YEAR WARRANTY

A vast variety of length and colour options

	GREY	WHITE	BLACK	BLUE	GREEN	ORANGE	RED	YELLOW
30cm	6FUTP-003G	6FUTP-003W	6FUTP-003B	6FUTP-003BL	6FUTP-003GR	6FUTP-003O	6FUTP-003R	6FUTP-003Y
50cm	6FUTP-005G	6FUTP-005W	6FUTP-005B	6FUTP-005BL	6FUTP-005GR	6FUTP-005O	6FUTP-005R	6FUTP-005Y
1m	6FUTP-01G	6FUTP-01W	6FUTP-01B	6FUTP-01BL	6FUTP-01GR	6FUTP-01O	6FUTP-01R	6FUTP-01Y
1.5m	6FUTP-015G	6FUTP-015W	6FUTP-015B	6FUTP-015BL	6FUTP-015GR	6FUTP-015O	6FUTP-015R	6FUTP-015Y
2m	6FUTP-02G	6FUTP-02W	6FUTP-02B	6FUTP-02BL	6FUTP-02GR	6FUTP-02O	6FUTP-02R	6FUTP-02Y
3m	6FUTP-03G	6FUTP-03W	6FUTP-03B	6FUTP-03BL	6FUTP-03GR	6FUTP-03O	6FUTP-03R	6FUTP-03Y
5m	6FUTP-05G	6FUTP-05W	6FUTP-05B	6FUTP-05BL	6FUTP-05GR	6FUTP-05O	6FUTP-05R	6FUTP-05Y
7m	6FUTP-07G	6FUTP-07W	6FUTP-07B	6FUTP-07BL	6FUTP-07GR	6FUTP-07O	6FUTP-07R	6FUTP-07Y
10m	6FUTP-10G	6FUTP-10W	6FUTP-10B	6FUTP-10BL	6FUTP-10GR	6FUTP-10O	6FUTP-10R	6FUTP-10Y
15m	6FUTP-15G	6FUTP-15W	6FUTP-15B	6FUTP-15BL	6FUTP-15GR	6FUTP-15O	6FUTP-15R	6FUTP-15Y
20m	6FUTP-20G	6FUTP-20W	6FUTP-20B	6FUTP-20BL	6FUTP-20GR	6FUTP-20O	6FUTP-20R	6FUTP-20Y

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ProXtend

Twisted pair
Network Cables

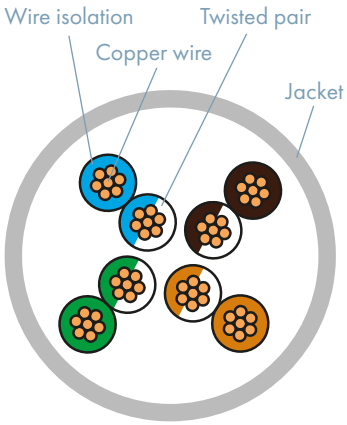


A standard network cable contains eight strands twisted into four pairs.

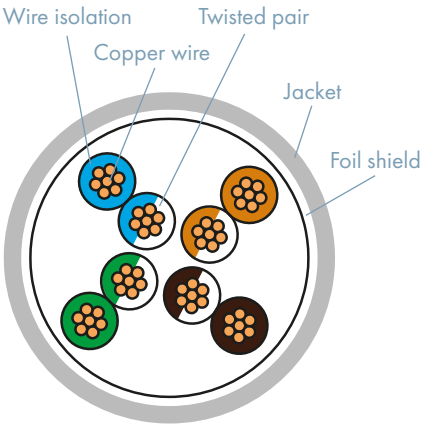
The twisting of the pairs and an electronically conductive shield not only reduce the likelyhood of cross-talk between neighboring pairs of conductors within the cable, but also cause the cable to be more reselient to interference from external magnetic altering fields, which can be caused by any cables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

Jacket

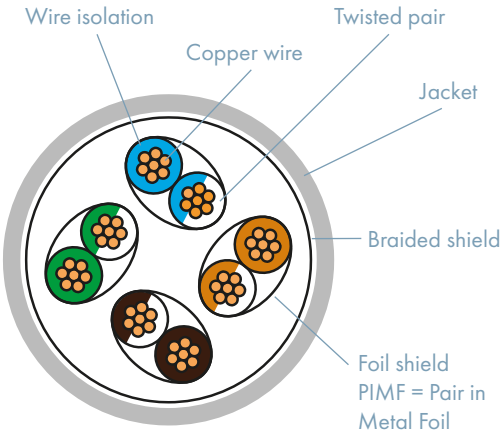
ProXtend supports three main types of materials used for network cable jackets: PVC (Polyvinyl Chloride), PE (Polyethylene) and LSZH, also known as LS0H (Low Smoke Zero Halogen). Although PVC cables are softer, flexible and easier to handle, the LSZH cables are firmer and less flexible due to their flame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