CAT6 F/UTP Cable

10m

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	10m
Conductor Type	Stranded
Conductor Material	Copper-clad Aluminum
Jacket Material	Polyvinyl chloride (PVC)
Connector Contacts Plating	3U" Gold
AWG Wire Size	26
Outer Diameter	5.8mm
Product Color	Black
Weight	280g
Cabling Technology	10/100/1000Base-T(X)
Networking Standard	IEEE 802.3af
PoE Compatability	None
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. V-6FUTP-10B

The ProXtend CAT6 F/UTP CCA ethernet cables are produced with a copper-clad aluminum strands and an AWG of 26 to create a cost-effective product.

The cable is reinforced with strain relief and latch protection allowing for secure installation. The outer layer of the cable is wrapped in a foil screen that enables protection against electromagnetic interference (EMI).

CAT6

F/UTP

CCA

30 YEAR WARRANTY

See more products on

proxtend.com

Network cables

CAT6 F/UTP CCA

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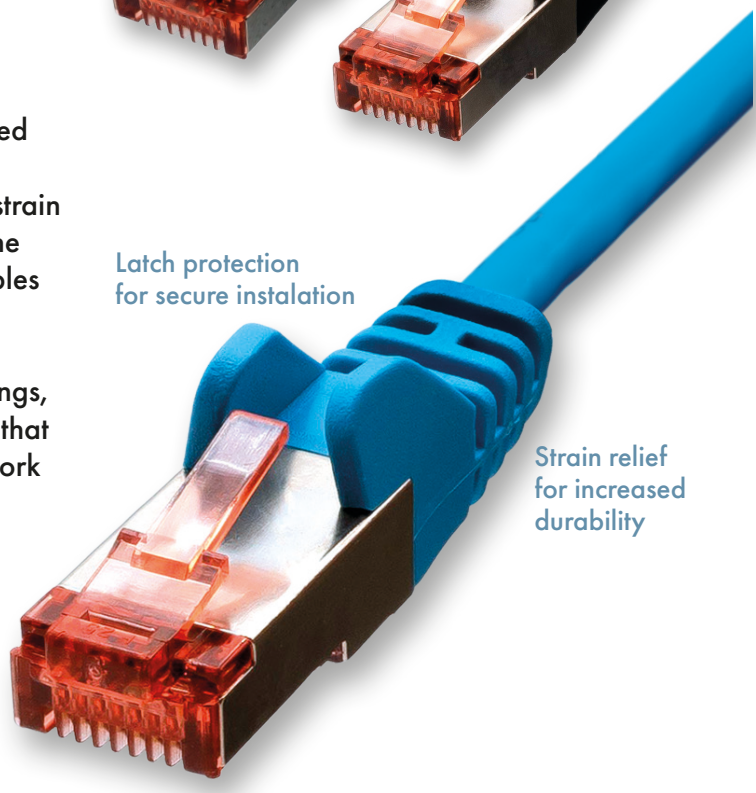
Supporting a variety of cable standards, lengths and shieldings, ProXtend is your one stop shop for ethernet cables ensuring that you are always able to find a cable that best suits your network requirements.



3U" Gold plated RJ45 connectors

30 YEAR WARRANTY

A vast variety of length and colour options

	GREY	WHITE	BLACK	BLUE	GREEN	ORANGE	RED	YELLOW
20 cm	V-6FUTP-002G	V-6FUTP-002W	V-6FUTP-002B	V-6FUTP-002BL	V-6FUTP-002GR	V-6FUTP-002O	V-6FUTP-002R	V-6FUTP-002Y
30 cm	V-6FUTP-003G	V-6FUTP-003W	V-6FUTP-003B	V-6FUTP-003BL	V-6FUTP-003GR	V-6FUTP-003O	V-6FUTP-003R	V-6FUTP-003Y
0.5 m	V-6FUTP-005G	V-6FUTP-005W	V-6FUTP-005B	V-6FUTP-005BL	V-6FUTP-005GR	V-6FUTP-005O	V-6FUTP-005R	V-6FUTP-005Y
1 m	V-6FUTP-01G	V-6FUTP-01W	V-6FUTP-01B	V-6FUTP-01BL	V-6FUTP-01GR	V-6FUTP-01O	V-6FUTP-01R	V-6FUTP-01Y
1.5 m	V-6FUTP-015G	V-6FUTP-015W	V-6FUTP-015B	V-6FUTP-015BL	V-6FUTP-015GR	V-6FUTP-015O	V-6FUTP-015R	V-6FUTP-015Y
2 m	V-6FUTP-02G	V-6FUTP-02W	V-6FUTP-02B	V-6FUTP-02BL	V-6FUTP-02GR	V-6FUTP-02O	V-6FUTP-02R	V-6FUTP-02Y
3 m	V-6FUTP-03G	V-6FUTP-03W	V-6FUTP-03B	V-6FUTP-03BL	V-6FUTP-03GR	V-6FUTP-03O	V-6FUTP-03R	V-6FUTP-03Y
5 m	V-6FUTP-05G	V-6FUTP-05W	V-6FUTP-05B	V-6FUTP-05BL	V-6FUTP-05GR	V-6FUTP-05O	V-6FUTP-05R	V-6FUTP-05Y
7m	V-6FUTP-07G	V-6FUTP-07W	V-6FUTP-07B	V-6FUTP-07BL	V-6FUTP-07GR	V-6FUTP-07O	V-6FUTP-07R	V-6FUTP-07Y
10 m	V-6FUTP-10G	V-6FUTP-10W	V-6FUTP-10B	V-6FUTP-10BL	V-6FUTP-10GR	V-6FUTP-10O	V-6FUTP-10R	V-6FUTP-10Y
15 m	V-6FUTP-15G	V-6FUTP-15W	V-6FUTP-15B	V-6FUTP-15BL	V-6FUTP-15GR	V-6FUTP-15O	V-6FUTP-15R	V-6FUTP-15Y
20 m	V-6FUTP-20G	V-6FUTP-20W	V-6FUTP-20B	V-6FUTP-20BL	V-6FUTP-20GR	V-6FUTP-20O	V-6FUTP-20R	V-6FUTP-20Y

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www.proxtend.com

ProXtend

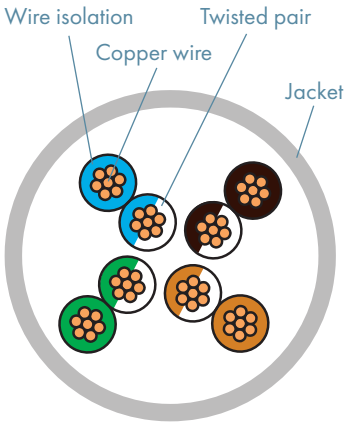
Twisted pair
Network Cables

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

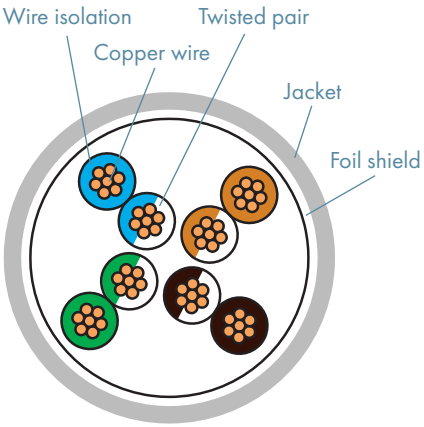
The twisting of the pairs and an electronically conductive shield not only reduce the likelihood of cross-talk between neighboring pairs of conductors within the cable, but also cause the cable to be more reselient to interference from external magnetic altering fields, which can be caused by any cables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

Jacket

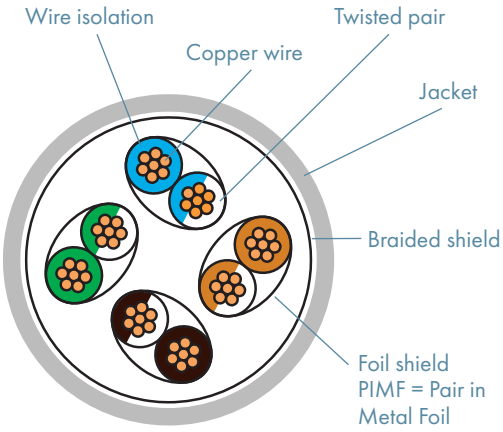
ProXtend supports three main types of materials used for network cable jackets: PVC (Polyvinyl Chloride), PE (Polyethylene) and LSZH, also known as LS0H (Low Smoke Zero Halogen). Although PVC cables are softer, flexible and easier to handle, the LSZH cables are firmer and less flexible due to their flame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