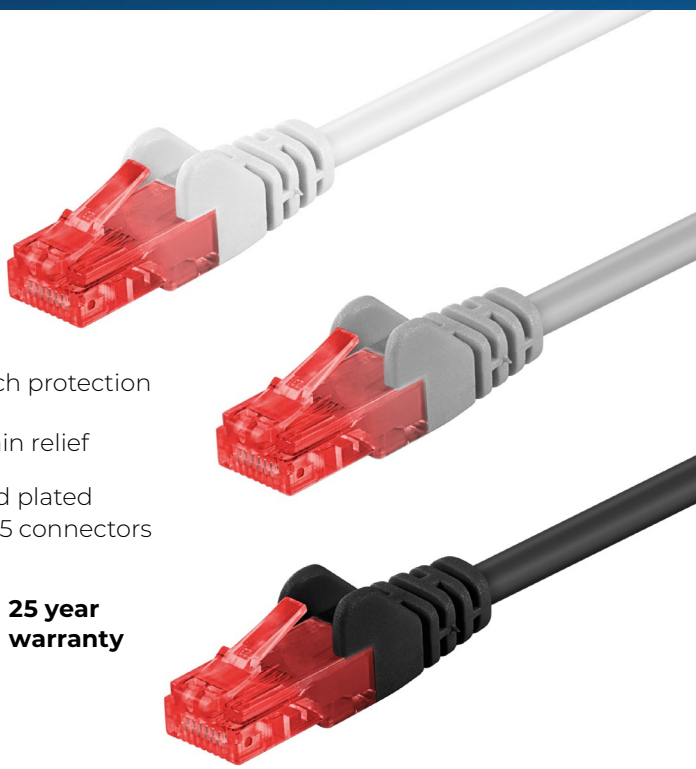
Micro Connect®
Reliable Connectivity

CAT6 U/UTP CCA



MicroConnect's CAT6 U/UTP CCA Ethernet cables are constructed with copper-clad aluminum strands and 24 AWG, offering an economical yet effective networking solution. These cables feature strain relief and latch protection to ensure a secure and reliable connection.

Designed without a foil shield, they are ideal for environments with minimal electromagnetic interference (EMI). Available in various lengths and configurations, MicroConnect provides the perfect CAT6 Ethernet cable to meet your networking needs.

- Latch protection
- Strain relief
- Gold plated RJ45 connectors

25 year warranty

A wide selection of lengths and colors

LENGTH	WHITE	GREY	BLACK	BLUE	GREEN	PURPLE	ORANGE	YELLOW	PINK
0.25 m	B-UTP60025W	B-UTP60025	B-UTP60025S	B-UTP60025B	B-UTP60025G	B-UTP60025P	B-UTP60025O	B-UTP60025Y	–
0.5 m	B-UTP6005W	B-UTP6005	B-UTP6005S	B-UTP6005B	B-UTP6005G	B-UTP6005P	B-UTP6005O	B-UTP6005Y	–
1 m	B-UTP601W	B-UTP601	B-UTP601S	B-UTP601B	B-UTP601G	B-UTP601P	B-UTP601O	B-UTP601Y	–
1.5 m	B-UTP6015W	B-UTP6015	B-UTP6015S	B-UTP6015B	B-UTP6015G	B-UTP6015P	B-UTP6015O	B-UTP6015Y	–
2 m	B-UTP602W	B-UTP602	B-UTP602S	B-UTP602B	B-UTP602G	B-UTP602P	B-UTP602O	B-UTP602Y	B-UTP602PI
3 m	B-UTP603W	B-UTP603	B-UTP603S	B-UTP603B	B-UTP603G	B-UTP603P	B-UTP603O	B-UTP603Y	–
5 m	B-UTP605W	B-UTP605	B-UTP605S	B-UTP605B	B-UTP605G	B-UTP605P	B-UTP605O	B-UTP605Y	–
7.5 m	B-UTP6075W	B-UTP6075	B-UTP6075S	B-UTP6075B	B-UTP6075G	–	–	B-UTP6075Y	–
10 m	B-UTP610W	B-UTP610	B-UTP610S	B-UTP610B	B-UTP610G	B-UTP610P	B-UTP610O	B-UTP610Y	–
15 m	B-UTP615W	B-UTP615	B-UTP615S	B-UTP615B	B-UTP615G	B-UTP615P	B-UTP615O	B-UTP615Y	–
20 m	B-UTP620W	B-UTP620	B-UTP620S	B-UTP620B	B-UTP620G	B-UTP620P	B-UTP620O	B-UTP620Y	–
25 m	–	B-UTP625	–	–	–	–	–	–	–
30 m	–	B-UTP630	–	–	–	–	–	–	–

SCAN QR

Try our cable guide

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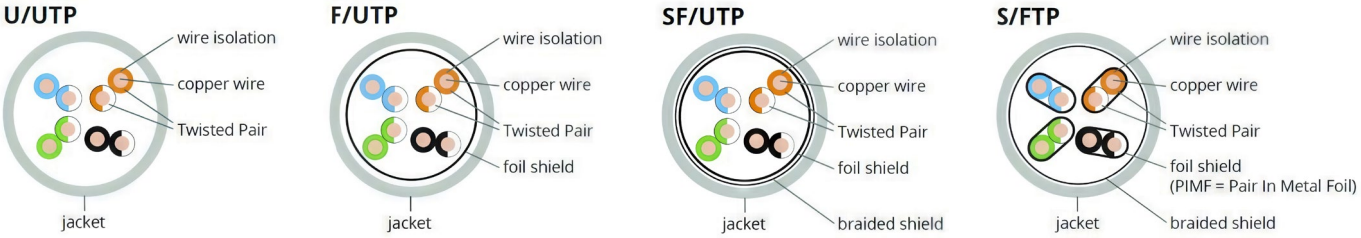
Twisted Pair Network Cables

MicroConnect network cables always consists of eight strands twisted into four pairs. The twisting of these pairs, along with an electronically conductive shield, minimizes the likelihood of cross-talk between neighboring conductors within the cable. This design also enhances the cable's resilience to interference from external magnetic fields, which can be generated by nearby electrical cables.

Jacket

MicroConnect offers three primary types of materials for network cable jackets: PVC (Polyvinyl Chloride), PE (Polyethylene), and LSZH, also known as LS0H (Low Smoke Zero Halogen). While PVC cables are softer, more flexible, and easier to handle, LSZH cables are firmer and less flexible due to their flame-retardant composition. The halogen-free jacket of LSZH cables does not emit dangerous gases, smoke, or acid in the event of a fire, making them increasingly essential in systems where protecting people and equipment from toxic and corrosive gases is critical. The PE jacket, on the other hand, is resistant to weathering and UV radiation, making it the preferred choice for outdoor cable systems.



Shielding

There are two primary types of network cables: shielded and unshielded. Unshielded cables typically offer lower transmission quality, especially at high data rates or over long distances. In contrast, shielded cables, often called twisted pairs, are wrapped in a foil screen that protects against electromagnetic interference (EMI). Understanding a cable's shielding is straightforward once knowing the naming convention. The first letter before the slash (/) indicates the shielding of the outer cable jacket: U (unshielded), F (foil shielded), S (braided shield), or SF (braided and foil shielded). The letter after the slash denotes the shielding of the twisted pairs (TP): U (unshielded), F (foil shielded), or S (braided shielded). For example, a U/UTP cable means an unshielded outer jacket with unshielded twisted pairs.

Categories

Twisted pair network cables are categorized into different standards based on their performance, which can be seen in the illustration to the right.

CATEGORY	MAX. DATA RATE	BANDWITH	APPLICATION
CAT 5e	1 Gbps	100 MHz	1 GBase-T
CAT 6	1 Gbps	250 MHz	1 GBase-T, 155-MBit-ATM, 622-MBit-ATM
CAT 6a	10 Gbps	500 MHz	10 GBase-T
CAT 7	10 Gbps	600 MHz	10 GBase-T
CAT 81	25 Gbps	2000 MHz	25 GBase-T