![Micro Connect® — Reliable Connectivity]

CAT6A S/FTP CU

MicroConnect's CAT6A S/FTP CU Ethernet cables feature pure copper strands and 26 AWG, providing superior performance and reliability. These cables are equipped with a foil shield around each pair and an overall braided shield, making them ideal for environments with high levels of electromagnetic interference (EMI). They also include strain relief and latch protection for a secure connection. The outer jacket is made from LSZH (Low Smoke Zero Halogen) material, ensuring minimal smoke, toxic fumes, and no acid gases in the event of a fire.

Available in various lengths and configurations, MicroConnect offers the perfect CAT6A Ethernet cable to meet your demanding networking needs.

▶ Latch protection

▶ Strain relief

▶ Gold plated RJ45 connectors

25 year warranty

A wide selection of lengths and colors

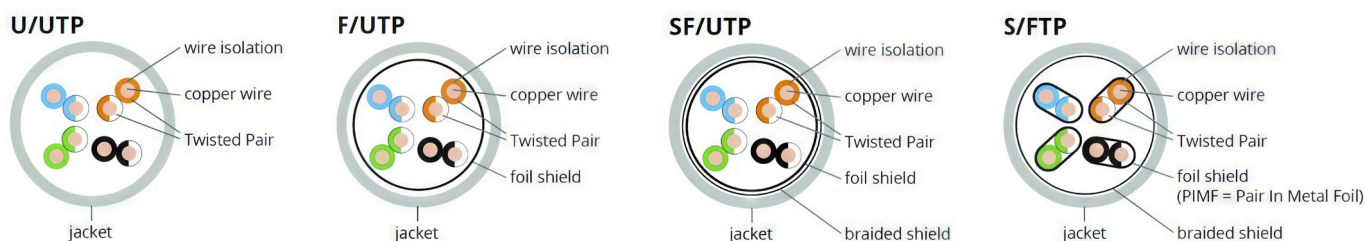| LENGTH	WHITE	GREY	BLACK	BLUE	PURPLE	RED	ORANGE	YELLOW
0.25 m	MC-SFTP6A0025W	MC-SFTP6A0025	MC-SFTP6A0025S	MC-SFTP6A0025B	MC-SFTP6A0025P	MC-SFTP6A0025R	MC-SFTP6A0025O	MC-SFTP6A0025Y
0.5 m	MC-SFTP6A005W	MC-SFTP6A005	MC-SFTP6A005S	MC-SFTP6A005B	MC-SFTP6A005P	MC-SFTP6A005R	MC-SFTP6A005O	MC-SFTP6A005Y
1 m	MC-SFTP6A01W	MC-SFTP6A01	MC-SFTP6A01S	MC-SFTP6A01B	MC-SFTP6A01P	MC-SFTP6A01R	MC-SFTP6A01O	MC-SFTP6A01Y
1.5 m	MC-SFTP6A015W	MC-SFTP6A015	MC-SFTP6A015S	MC-SFTP6A015B	MC-SFTP6A015P	MC-SFTP6A015R	MC-SFTP6A015O	MC-SFTP6A015Y
2 m	MC-SFTP6A02W	MC-SFTP6A02	MC-SFTP6A02S	MC-SFTP6A02B	MC-SFTP6A02P	MC-SFTP6A02R	MC-SFTP6A02O	MC-SFTP6A02Y
3 m	MC-SFTP6A03W	MC-SFTP6A03	MC-SFTP6A03S	MC-SFTP6A03B	MC-SFTP6A03P	MC-SFTP6A03R	MC-SFTP6A03O	MC-SFTP6A03Y
5 m	MC-SFTP6A05W	MC-SFTP6A05	MC-SFTP6A05S	MC-SFTP6A05B	MC-SFTP6A05P	MC-SFTP6A05R	MC-SFTP6A05O	MC-SFTP6A05Y
7.5 m	MC-SFTP6A075W	MC-SFTP6A075	MC-SFTP6A075S	MC-SFTP6A075B	MC-SFTP6A075P	MC-SFTP6A075R	MC-SFTP6A075O	MC-SFTP6A075Y
10 m	MC-SFTP6A10W	MC-SFTP6A10	MC-SFTP6A10S	MC-SFTP6A10B	MC-SFTP6A10P	MC-SFTP6A10R	MC-SFTP6A10O	MC-SFTP6A10Y
15 m	MC-SFTP6A15W	MC-SFTP6A15	MC-SFTP6A15S	MC-SFTP6A15B	MC-SFTP6A15P	MC-SFTP6A15R	MC-SFTP6A15O	MC-SFTP6A15Y
20 m	MC-SFTP6A20W	MC-SFTP6A20	MC-SFTP6A20S	MC-SFTP6A20B	MC-SFTP6A20P	MC-SFTP6A20R	MC-SFTP6A20O	MC-SFTP6A20Y
25 m	–	MC-SFTP6A25	–	–	–	–	–	–
30 m	–	MC-SFTP6A30	–	–	MC-SFTP6A30P	–	MC-SFTP6A30O	–

SCAN QR

Try our cable guide

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