

SyscomX SFTP CAT6 (CCA)

High-Performance Network Cable

The SyscomX Category 6 (CAT6) cable is engineered for networking environments that require high performance and reliability at an optimized cost. Featuring a high-quality Copper Clad Aluminum (CCA) conductor and superior SFTP shielding, it ensures stable data transmission even in high-interference areas.



1. PHYSICAL SPECIFICATIONS

- Conductor Type: CCA (Copper Clad Aluminum) - Grade A.
- Wire Gauge: 23 AWG.
- Conductor Section: 0.55 mm
- Cable Structure: 4 Twisted Pairs with a Cross-Separator (Spline) to minimize internal crosstalk.
- Insulation: HDPE (High-Density Polyethylene).
- Shielding (SFTP):
 - Individual Shield: Aluminum Foil covering each pair.
 - Overall Shield: Braided Aluminum/Magnesium shield for maximum EMI protection.
- Outer Jacket: Durable PVC (Flame Retardant options available).



2. ELECTRICAL PERFORMANCE

- Data Rate: Supports up to 1000 Mbps (Gigabit Ethernet).
- Frequency Bandwidth: Tested up to 250 MHz.
- Transmission Distance: Optimized for standard networking runs in residential and commercial buildings.



3. PACKAGING & DELIVERY

- Reel Type: Robust Wooden Spool for enhanced protection during transit and smooth, tangle-free dispensing.
- Cable Length: 305 Meters (1000 Feet) per spool.
- Branding: Official SyscomX high-performance series.



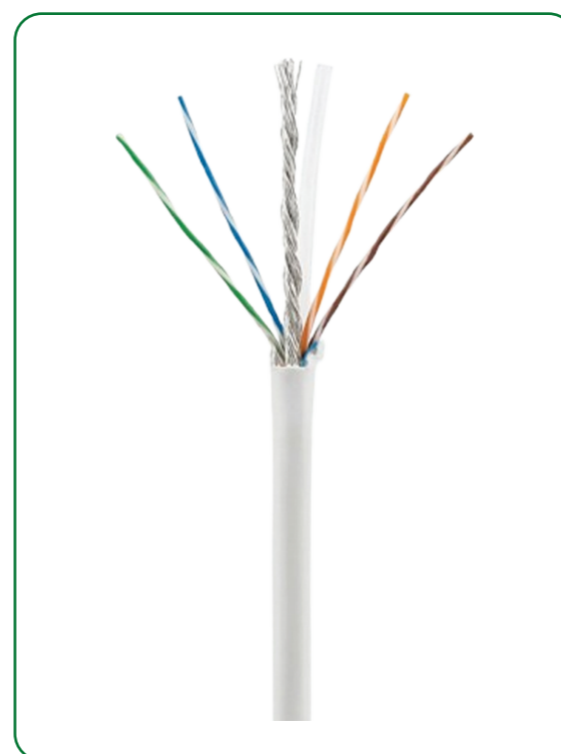
4. KEY FEATURES

- Double Shielding: The combination of foil and braid provides ultimate defense against electromagnetic interference (EMI) and radio frequency interference (RFI).
- Durable Spool: The wooden reel design is heavy-duty, preventing cable kinks and making it ideal for professional job sites.
- Application: Perfect for High-Speed LANs, IP Surveillance (CCTV), and VoIP systems.
- Section / Core Size: 0.55 mm



5. COMPLIANCE & STANDARDS

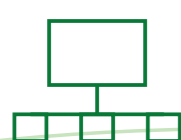
- ISO/IEC 11801
- ANSI/TIA/EIA 568-C.2
- RoHS Compliant (Lead-free and environmentally friendly)
- CE Certified



Technical Specifications

Cable Type	SFTP CAT6 (CCA)
Conductor	CCA Grade A
Wire Gauge	23 AWG
Conductor Section	0.55 mm
Pairs	4 Twisted Pairs
Separator	Cross-Separator (Spline)
Insulation	HDPE
Shielding	Foil + Braided Shield
Data Rate	Up to 1000 Mbps
Bandwidth	Up to 250 MHz
Length	305 Meters / 1000 Feet
Reel Type	Wooden Spool
Jacket	PVC

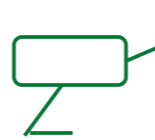
APPLICATIONS



High-Speed LAN



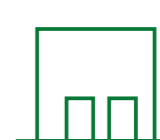
IP Surveillance



CCTV Systems



VoIP Networks



Residential & Commercial