

Enhance Cat6 SFTP Outdoor Network Cable 305m – Black (Double Jacket, CCA)

PRODUCT OVERVIEW



The Enhance Cat6 SFTP Outdoor Network Cable is designed for outdoor Ethernet installations requiring shielding and additional protection against environmental exposure. It features 23 AWG copper clad aluminum (CCA) conductors, shielded twisted-pair construction and a dual-layer double-jacket design, as specified.

Supplied in a 305m (1000ft) roll, this black bulk cable is intended for applications such as outdoor IP surveillance, wireless access points and network links between buildings. Its individual foil and overall braided shielding is designed to help reduce electromagnetic interference and crosstalk, while the layered jacket construction is intended to provide additional physical protection. Suitability for direct burial and aerial deployment, jacket material and temperature ratings, and for PoE use with CCA conductors, should be confirmed against the manufacturer's ratings.

KEY FEATURES

Category 6 network cable	Marketed as Cat6 for compatible high-speed Ethernet installations.
23 AWG CCA conductors	Copper-clad aluminum (CCA) conductors, specified as a cost-effective option for outdoor data cabling.
SFTP shielding	Individual foil shielding with an overall braided screen, designed to help reduce electromagnetic interference and crosstalk.
Double-jacket construction	Dual-layer jacket intended to provide additional protection against moisture and mechanical wear. Jacket materials not stated in the supplied information.
Outdoor installation	Designed for outdoor network cabling. Suitability for direct burial and aerial use is to be confirmed against the manufacturer's ratings.
PoE applications	CCA has higher DC resistance than solid copper, which can limit PoE power delivery and distance. Confirm PoE suitability before use with powered devices.
305m / 1000ft roll	Suitable for larger structured cabling projects.
Standards compliance claims	ETL verification to ANSI/TIA-568-C.2 Category 6 and ISO/IEC 11801, subject to documentation verification.

APPLICATION	TYPICAL USE
Outdoor IP cameras	Ethernet connectivity for compatible surveillance cameras; check PoE requirements and cable length
Outdoor wireless access points	Wired network connections to external access points, subject to power and distance requirements
Building-to-building links	Network cabling between nearby buildings, subject to distance and installation requirements
High-interference environments	Shielded network cabling where correct grounding and bonding are implemented
PoE devices	Only where the cable's PoE suitability has been confirmed; a full copper cable is generally preferred for PoE
External network infrastructure	Outdoor cable routing using an installation method approved for the cable



Technical Specifications

SPECIFICATION	DETAILS
Model	ENC-SFTP601-BLA
Cable Category / Type	Category 6 (Cat6) / SFTP – Shielded Foiled Twisted Pair
Installation Environment	Outdoor
Conductor Gauge	23 AWG
Conductor Material	CCA (Copper Clad Aluminum)
Shielding	Individual foil and overall braided shielding, as specified
Jacket Construction	Double Jacket (Dual Layer); materials
Color	Black
Package Quantity	305m/1000ft
Standards Compliance	ETL verified to ANSI/TIA-568-C.2 Category 6 and ISO/IEC 11801;
Typical Applications	Outdoor IP cameras, wireless access points and network links

TECHNICAL DETAILS

Copper Clad Aluminum (CCA) Conductors: The cable is specified as using 23 AWG CCA conductors, which have an aluminum core with a copper outer layer. Compared with solid copper, CCA has higher electrical resistance and is more brittle, which can affect signal attenuation, PoE power delivery and termination reliability. Actual performance depends on the cable's verified construction, length, installation and connected equipment.

SFTP Shielding: The shielded twisted-pair design is described as incorporating individual foil shielding on each pair with an overall braided screen to help reduce electromagnetic interference and crosstalk. Effective shielding depends on the actual construction, connector compatibility and correct shield bonding and grounding.

Double-Jacket Construction: The supplied specifications describe a double (dual-layer) jacket but do not state the jacket materials. This layered construction is intended to provide additional protection against moisture, temperature extremes and mechanical wear. Confirm the jacket materials and the manufacturer's UV, water-ingress and temperature ratings before specifying the cable for demanding outdoor conditions.

Outdoor Installation: The cable is marketed for outdoor use, and the supplied information lists direct burial and aerial installation. Each method has different requirements, and conduit deployment is not stated, so confirm the cable's rating for the intended method with the manufacturer before installation.

Network Performance and PoE: The cable is intended for compatible Category 6 Ethernet applications. Because CCA conductors have higher resistance than copper, supported PoE power levels and distances must be established from the cable's verified electrical specifications and applicable standards. Where powered devices such as IP cameras or access points are connected, a full copper cable is generally recommended.

Standards Compliance: The supplied product information reports ETL verification to ANSI/TIA-568-C.2 Category 6 and ISO/IEC 11801. Obtain documentation covering the exact model and CCA construction before presenting these claims as verified certification.

Cable Length: The 305m (1000ft) specification is the total cable supplied on the roll, not the maximum length of a single standard Ethernet channel. Standard twisted-pair Ethernet channels are generally limited to 100m, including the applicable permanent link and patch-cord allowance.

