

PRODUCT OVERVIEW

Bellcom Category 6 Outdoor FTP Cable Without Messenger is designed for shielded outdoor network cabling where UV resistance, foil screening, and robust black outer sheathing are required. The cable uses a 4-pair 23AWG CAT6 FTP construction with foil shielding, rip cord, and RoHS compliant outer jacket material for outdoor data applications.

FEATURES

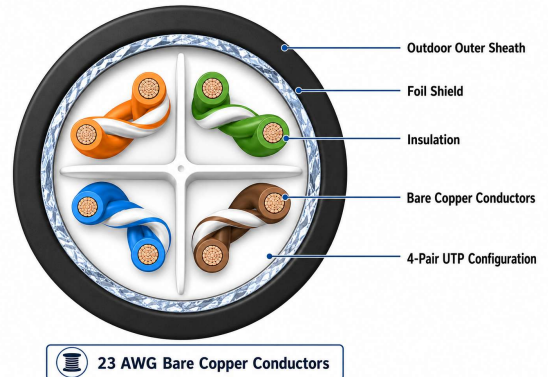
- 4-pair 23AWG Category 6 FTP shielded network cable
- 0.575 mm BC conductor specification stated in source datasheet
- Foil shielding for FTP construction
- UV resistant black outdoor jacket with rip cord
- Without messenger support wire for non-messenger outdoor installations
- Nominal velocity of propagation: 69%
- Minimum bend radius: 10 x cable outer diameter; maximum pulling load: 80N
- 1000 ft wooden spool; RoHS compliant outer jacket material

APPLICATIONS

- 10BASE-T4, 100BASE-TX, and 100BASE-VG-AnyLAN
- 155 Mbps ATM and 622 Mbps ATM
- 1000BASE-T Gigabit Ethernet
- 10GBASE-T applications according to referenced standards
- Outdoor shielded network cable runs without messenger support

PRODUCT SUMMARY

Property	Specification
Product Type	Outdoor FTP Cable without Messenger
Category	Category 6
Construction	23AWG x 4P
Conductor	0.575 mm BC / Solid Copper
Shielding	Foil
Outer Sheath	PVC / LSOH
Rip Cord	Yes
Messenger	Without Messenger
Jacket Color	Black
Cable Length	1000 ft Wooden Spool
SKU	BOD-C6-FTP-NM

CAT6 Outdoor FTP Cable Cross Section**CONSTRUCTION & CHARACTERISTICS**

Component	Property	Specification
Cable Matrix	Type	FTP
Conductor	Construction	4-pair 23AWG CAT6 FTP network cable
Conductor	Size	0.575 mm BC
Conductor	Material	Solid Copper
Shielding	Construction	Foil
Messenger	Configuration	Without messenger support wire
Rip Cord	Jacket Rip Cord	Yes
Outer Jacket	Material	RoHS compliant outer jacket material
Outer Sheath	Material	PVC / LSOH
Jacket	Colour	Black
Outdoor Rating	UV Resistance	Yes
Cable Length	Packaging	1000 ft wooden spool

CABLE CONFIGURATION

Pair	Color Combination
Pair 1	Blue / White-Blue
Pair 2	Orange / White-Orange
Pair 3	Green / White-Green
Pair 4	Brown / White-Brown

Outdoor FTP construction includes 4-pair CAT6 cabling, foil shielding, black outdoor sheath, drain wire / rip cord details, and no messenger support wire. Pair colors shown are used for field termination and identification.

GENERAL / ELECTRICAL PERFORMANCE

Property	Specification
Frequency	1250 MHz (common standard)
Nominal Velocity of Propagation	69%
Maximum Mutual Capacitance	5.6 nF / 100m
Maximum Capacitance Unbalance	330 pF / 100m
Maximum DC Resistance	7.5 ohm / 100m
Maximum Resistance Unbalance	3%
Maximum Propagation Delay Skew	30 ns / 100m (1-125 MHz)
Maximum Propagation Delay	536 ns / 100m @ 100 MHz
Voltage Rating	60 Vrms
Maximum Pulling Load	80N
Minimum Bending Radius	10 x cable outer diameter
Working Temperature	-20°C to +60°C
Storage Temperature	-5°C to +50°C

STANDARDS & COMPLIANCE

- Complies with UL and 11801 requirements stated in source specification
- ISO/IEC 11801 and EN50173 referenced standards
- TIA/EIA 568A / 568B and TIA/EIA 568-B referenced standards
- Flame resistant: IEC 332-1 for FRPVC and LSOH jacket
- IEC 332-1 and IEC 332-3C for FR LSOH jacket
- RoHS compliant outer jacket material

ORDERING INFORMATION

SKU	Product Description
BOD-C6-FTP-NM	CAT6 Outdoor FTP Cable without Messenger, 23AWG x 4P, Black

Packaging: 1000 ft wooden spool. Confirm jacket material, color, and availability at time of order.