

PRODUCT OVERVIEW

Bellcom Category 6 Outdoor FTP Cable with Messenger is designed for outdoor network cabling where shielded performance, UV resistance, and messenger-supported installation are required. The cable features 4-pair CAT6 FTP construction with solid copper conductors, polyethylene insulation, an overall aluminum screen, drain wire, and an outdoor black sheath.

FEATURES

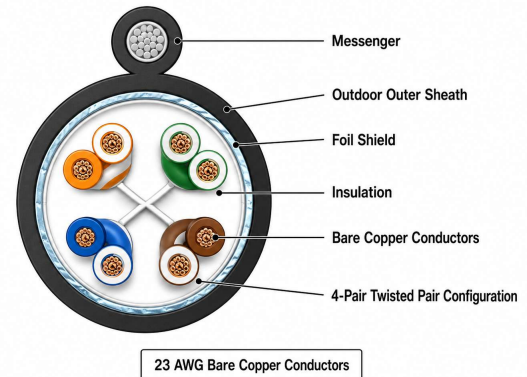
- 4-pair 23AWG Category 6 FTP network cable
- Solid copper conductor construction with polyethylene insulation
- Overall aluminum screen with drain wire for FTP shielding
- UV resistant black outdoor jacket
- Integrated messenger support for outdoor / aerial-style installations
- Nominal velocity of propagation: 68%
- Minimum bend radius: 10 x cable outer diameter; maximum pulling load: 80N
- 1000 ft wooden spool; RoHS compliant construction

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 network cable runs requiring shielding and messenger support

PRODUCT SUMMARY

Property	Specification
Product Type	Outdoor FTP Cable with Messenger
Category	Category 6
Construction	23AWG x 4P
Conductor	Solid Copper
Insulation	Polyethylene
Screen	Overall Aluminum Screen
Drain Wire	7/0.2 mm or 1/0.5 mm
Outer Sheath	PVC / LSOH
Jacket Color	Black
Cable Length	1000 ft Wooden Spool
SKU	BOD-C6-FTP-M

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

Component	Property	Specification
Cable Matrix	Type	FTP
Conductor	Material	Solid Copper
Conductor	Size	23AWG x 4P / 0.575 mm BC
Insulation	Material	Polyethylene
Screen	Construction	Overall Aluminum Screen
Drain Wire	Construction	7/0.2 mm or 1/0.5 mm
Outer Sheath	Material	PVC / LSOH
Jacket	Colour	Black
Outdoor Rating	UV Resistance	Yes
Messenger	Configuration	Integrated messenger support for outdoor installation
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

FTP construction includes solid copper conductors, polyethylene insulation, overall aluminum screen, drain wire, and outdoor sheath. Messenger support is shown as an integrated overhead support element.

GENERAL / ELECTRICAL PERFORMANCE

Property	Specification
Frequency	1250 MHz (common standard)
Nominal Velocity of Propagation	68%
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 construction

ORDERING INFORMATION

SKU	Product Description
BOD-C6-FTP-M	CAT6 Outdoor FTP Cable with Messenger, 23AWG x 4P, Black

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