



CAT 6A OUTDOOR NETWORK CABLE

23 AWG Outdoor PE Cable

NETCON Category 6A Outdoor Cable comply with requirements as per standards ANSI/TIA 568-C2.ISO/IEC1 1801 ED.2 and EN 50173-1m. This confirms that the complete Category 6A Channel meets corresponding protocols & communication standards. For horizontal network and voice application in a structured cabling system, CCTV application, AV, Automation, Intercom etc.

PRODUCT DESCRIPTION

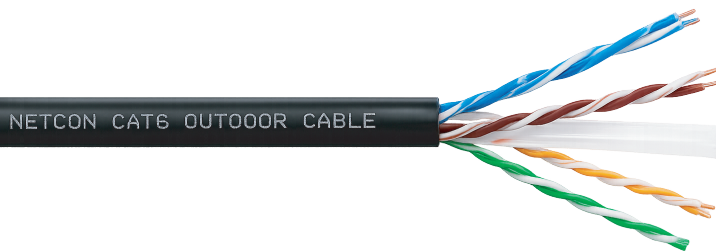
NETCON Category 6A U/UTP Outdoor cables are manufactured and tested to the TIA/EIA 568.2-D, EN50173-1 and ISO/IEC 11801 Category 6A specifications. NETCON Category 6A U/UTP cable is designed for optimal Support of High-speed data protocols delivering 10Gbps performance to the workstation. Each cable consists of 8 Colour coded 23AWG High density Polyethylene insulated conductors. Each conductors are twisted together to form 4 pairs with varying lengths. these pairs are then put around a central "X" shaped polyethylene filter / separator which helps in maintaining and enhancing the cable performance. NETCON's CAT 6A Outdoor is designed for quick and easy installation where no special tools are required. CAT 6A cable is supplied in "MDF Reel" packaging.

FEATURES & BENEFITS

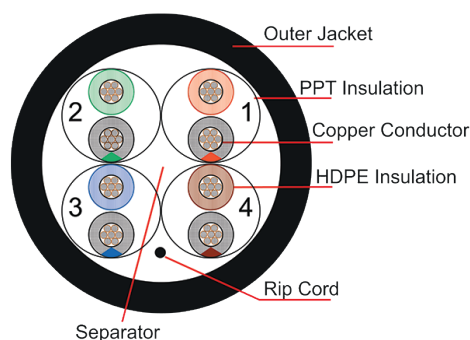
- Performance exceeding Category ^A specifications of 500MHz.
- Performance compliance to ISO/IEC 11801 and ANSI / TIA-568.2-D
- AWG23, Solid Bare Copper
- Outer Sheath PE
- 25 years System Warranty.

Supporting Applications

- 10G BASE1
- 1000 BASE-T (Gigabit Ethernet)
- 100 BASE - T (IEEE 802.3)
- 100 BASE - VG - AnyLAN



CAT.6A OUTDOOR NETWORK CABLE



Color Code

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

CORE IDENTIFICATION

Pair 1: ■ Orange ■ Blue Pair 2: ■ Green ■ Brown

Standards Complied and Verified for Category 6A cable performance

- ISO/IEC 11801-1:2017
- ANSI/ITIA-568.2-D:2018
- IEC 61156-5:2009 + AMD1:2012 CSV Consolidated version
- BS EN 50173-1:2018
- EN 50288-6-1:2013

- 100 Mbps TP-PMD (ANSI X 3T9.5)
- 10 BASE-T (IEEE 802.3)
- 1.2 Gbps ATM
- 55/155 Mbps ATM
- 4/16 Mbps TOKEN RING (IEEE)

Netcon Enterprise Pvt. Ltd.

Head Office: India
Corporate Office: Middle East - UAE

www.netconenterprise.com
sales@netconenterprise.com
info@netconenterprise.com

23 AWG Outdoor Network PE Cable

SPECIFICATION

Overall Diameter (mm)	7.0 ± 0.2
Outer Sheath Type / Color	PE / Black
Insulation Material	High Density Polyethylene
Conductor Diameter / Material	23 AWG / Solid Bare Copper
Impedance (Ω) @ 1-500 MHz	100 ± 15 Ω
Delay Skew (ns/100m) @ 1-500 MHz	≤ 45
Max. DC Resistance (Ω/100m)	9.38
Max. DC Conductor Resistance Unbalance (%)	5.0
Nominal Velocity of Propagation (NVP)	69%
Rip cord	Yes
Max. Pulling Force (N)	115
Min. Bend Radius	< 8 x D (Overall diameter)
Operating Temperature Range	-20°C to +70°C
Packing Length (Meters)	305 ± 1.5

TECHNICAL PERFORMANCE

Freq. (MHZ)	RL (Min. dB)	ATTN (Max .dB/100m)	NEXT (Min. dB)	PSNEXT (Min. dB)	ELFEXT(ACR-F) (Min.dB/100m)	PSELFEXT PSACR-F) (MIN. dB/100m)	Phase Delay <ns
1	19.1	1.9	65.0	62.0	67.8	64.8	570.0
4.0	21.0	3.5	64.1	61.8	55.8	52.8	552.0
10.0	21.0	5.5	57.8	55.5	47.8	44.8	545.4
16.0	20.0	7.0	54.6	52.2	43.7	40.7	543.0
20.0	19.5	7.8	53.1	50.7	41.8	38.8	542.1
31.25	18.5	9.8	50.0	47.5	37.9	34.9	540.4
62.5	16.0	14.0	45.1	42.7	31.9	28.9	538.6
100	14.0	18.0	41.8	39.3	27.8	24.8	537.6
200	11.0	26.1	36.9	34.3	21.8	18.8	536.5
250	10.0	29.5	35.3	32.7	19.8	16.8	536.3
300	9.2	32.7	34.0	31.4	18.3	15.3	536.1
500	8.0	43.8	26.7	23.8	13.8	10.8	535.6

ORDERING INFORMATION

Part No.	Description
NTC6AU23PE	NETCON, Category 6A, U/UTP Outdoor Installation Cable, Solid Copper, 23AWG, 305 Meter Box, HDPE Jacket, Black.