

NETCON Category 6 outdoor Cable comply with requirements as per standards ANSI/TIA 568-C.2, ISO/IEC11801 ED.2 and EN 50173-1m. This confirms that the complete Category 6 Channel meets corresponding protocols & communication standards. For horizontal network and voice application in a structured cabling system, CCTV application, AV, Automation, Intercom etc.

DESIGN

Conductor: $0.51 \pm 0.01\text{mm}$

Material: Soft Annealed Bare Copper Wire

Diameter: $0.95 \pm 0.05\text{mm}$

Insulation: HDPE (high-density)

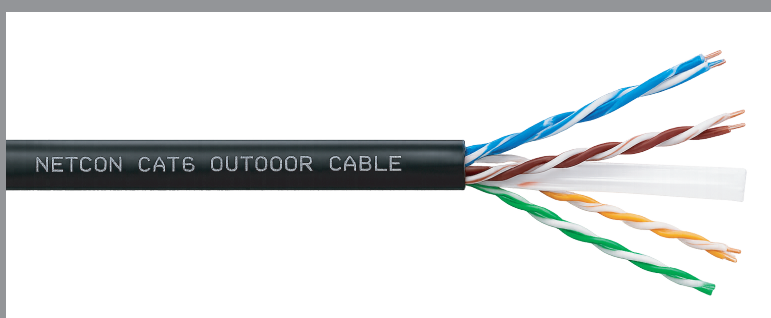
Nominal Wall: 0.21mm

Diameter: $0.95 \pm 0.05\text{mm}$

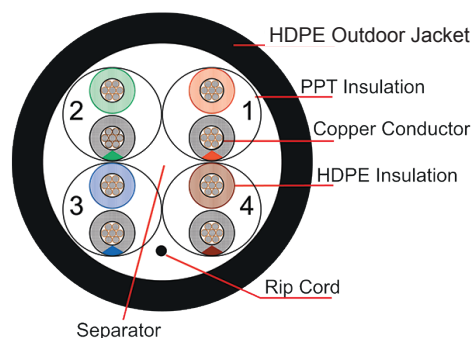
Rip Cord: Under the Sheath

Jacket: HDPE, Min thickness : 0.40 mm

Outer Diameter: $6 \pm 0.50\text{ mm}$



CAT.6 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

Electrical Characteristics

MHz \ ITEM	ATT	NEXT	RL	PS-NEXT	ELFEXT	PSEFEXT
	dB/100m	dB	dB	dB	dB	dB
	Max.	Min.	Min.	Min.	Min.	Min.
4	3.8	65.3	23.0	63.3	55.8	52.8
8	5.3	60.8	24.5	58.8	49.7	46.7
10	6.0	59.3	25.0	57.3	47.8	44.8
16	7.6	56.2	25.0	54.2	43.7	40.7
20	8.5	54.8	25.0	52.8	41.8	38.8
25	9.5	53.3	24.3	51.3	39.8	36.8
31.25	10.7	51.9	23.6	49.9	37.9	34.9
62.5	15.4	47.4	21.5	45.4	31.9	28.9
100	19.8	44.3	20.1	42.3	27.8	24.8
200	29.0	39.8	18.0	37.8	21.8	18.8
250	32.8	38.3	17.3	36.3	19.8	16.8

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- ▶ Tape design engineered for smaller overall diameter and ease of installation
- ▶ Characterized and tested to 250 MHz
- ▶ Positive PSACR up to 300MHz for futureband width requirements
- ▶ Unique product specific packaging for ease of identification
- ▶ Every master reel is tested to ensure electrical performance compliance
- ▶ Print legend contains footage making from 305 M to 0 M or 500 M to 0 M
- ▶ ROHS complaint, UL Listed & ETL/ EC Verified

Mechanical Characteristics

- ▶ Storage Temperature range : -15°C to 75°C
- ▶ Installation Temperature range : 0°C to 60°C
- ▶ Maximum Pulling Force : 25 lbs
- ▶ Min bend radius (install) : 100 mm

Reference Standards

▶ IEC 5:2009 - 61156 (Ed 2.0)
▶ ANSI / TIA / EIA - 568 - B.1 - 2 Cat.6
▶ Delta EC, ETL

Ordering information

Part No.	Description
NTC6U24PE	Netcon, Category 6, U/UTP Outdoor InstallationCable, Solid Copper, 24 AWG, 305 Metre Box, HDPE jacket, Black.