

CAT6 U/UTP Cables (305m Pull Boxes)

Article No.155200/155201/155202

Product Description

TRIAX Category 6 U/UTP cables are designed to deliver reliable performance in modern high-speed data networks. Supporting all current Ethernet applications, they provide consistent transmission and stability for structured cabling systems.

The TRIAX Cat 6 U/UTP portfolio includes three cable variants to meet different installation requirements:

- Indoor PVC White sheath (CPR Class Eca)
- Indoor LSZH Purple sheath (CPR Class Dca) for enhanced fire safety and low smoke emission
- Outdoor PE Black sheath (CPR Class Fca) for robust performance in external environments

All cables are manufactured with high-quality copper conductors and precision-twisted pairs to ensure excellent electrical performance in full compliance with Category 6 standards. Each cable is marked at one-metre intervals, allowing for easy measurement and installation accuracy.

Supplied in 305m pull boxes, TRIAX Category 6 cables are easy to handle and install, making them ideal for professional network deployments.

When used within a complete TRIAX system, they ensure dependable link performance and long-term reliability.



Technical specifications

Item Name	CAT6 UTP PVC White	CAT6 UTP LSZH Purple	CAT6 UTP PE Black
Art. Number	155200	155201	155202
EAN Code	5061038089202	5061038089219	5061038089226
Cable type	U/UTP CAT6		
Conductor material	Solid Bare Copper		
Size	23AWG		
Number of Pairs	4		
Insulation material	HDPE Ø 0.98 ± 0.05mm		
Outer Jacket Material	PVC	LSZH	PE
Outer Jacket Color	White	Purple	Black
Outer Sheath Diameter	5.8 ± 0.02mm		
Outer Sheath Thickness	0.55 ± 0.05mm		
EN50575 CPR Fire Class	Eca	Dca s1, d1, a1	Fca
Cable length	305m ± 5%		
Packing	Pull-box 260 x 330 x 340mm (D x W x H)		
Weight (kg/Km)	36	36	31
Electrical characteristics			
Impedance (Ω)	100 ± 15		
Conductor DC Resistance (Ω/100m)	≤ 9.38		
Conductor DC Resistance Unbalanced (%)	≤ 2.0		
Capacitance (nf/100m)	≤ 5.6		
Velocity Ratio %	69		
Spark Tests	2500V AC (2s)	4000V AC (2s)	5000V AC (2s)
Installation temperature	0°C...+50°C		
Operating temperature	-20°C...+60°C		

Technical performances (100m)						
FREQUENCY MHZ	RL ≥ dB	ATT (20°C) ≤ dB	NEXT ≥ dB	PSNEXT ≥ dB	ELFEXT ≥ dB	PS ELFEXT ≥ dB
1.0	20.0	2.0	74.3	72.3	67.8	64.8
4.0	23.0	3.8	65.3	63.3	55.8	52.8
8.0	24.5	5.3	60.8	58.8	49.7	46.7
10.0	25.0	6.0	59.3	57.3	47.8	44.8
16.0	25.0	7.6	56.2	54.2	43.7	40.7
20.0	25.0	8.5	54.8	52.8	41.8	38.8
25.0	24.3	9.5	53.3	51.3	39.8	36.8
31.25	23.6	10.7	51.9	49.9	37.9	34.9
62.5	21.5	15.4	47.4	45.4	31.9	28.9
100	20.1	19.8	44.3	42.3	27.8	24.8
200	18.0	29.0	39.8	37.8	21.8	18.8
250	17.3	32.8	38.3	36.3	19.8	16.8

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

