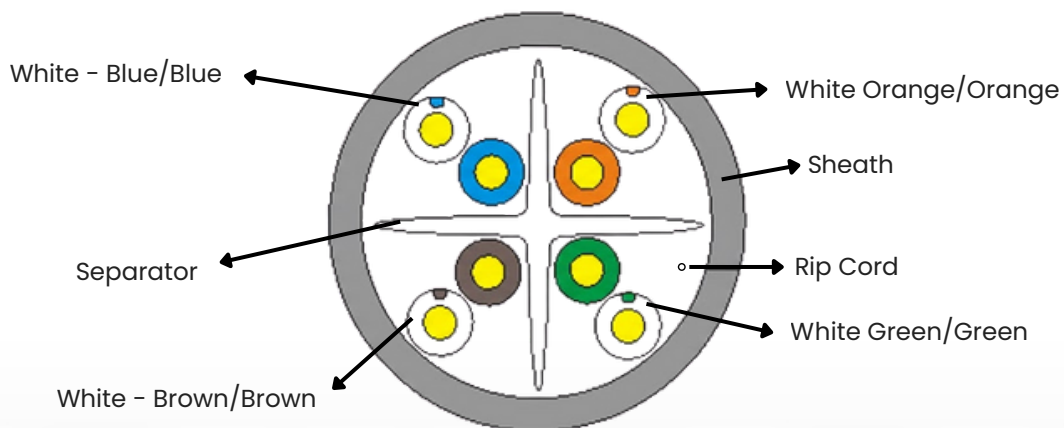


CAT6 UTP 23 AWG PVC CABLE

Key Features

- Stable electrical performance, compliant with ANSI/TIA-568.2-D, IEC61156, ISO/IEC11801.
- Compliant with RoHS 2.0.
- Sheath with strong mechanical properties, and high tensile and compressive strength, reducing damage during the project.
- Excellent performance in the Fluke 90-meter permanent link test while working continuously at 50°C high temperature.
- Excellent performance in the Fluke 100-meter channel test while being continuously loaded with 57 V/1 A DC power (PoE).
- Solid-Bare Copper conductor with less resistance, and better electrical properties and transmission performance.



305 Metre Cable



100 Metre Cable

Specification

Model	DR-CAT6 U/UTP-CU23PV		
Category	CAT 6		
Reference Standard	ISO/IEC11801, ANSI/TIA-568.2-D		
Conductor	Material	Solid-Bare Copper (99.95%)	
	Diameter	0.55 ± 0.005 mm 23AWG	
Insulation	Material	HDPE	
	Diameter	1.02 ± 0.05 mm	
Sheath	Thickness	0.55 ± 0.05 mm	
	Diameter	6.20 ± 0.50 mm	
	Material	PVC	
	Color	Grey	
Rip-cord	Yes		
Separator	Yes		
Electrical Characteristics (20°C)	1.0-500.0 MHz impedance	100 ± 15 Ω	
	1.0-500.0 MHz delay skew	≤ 45 ns/100 m	
	DC resistance	≤ 9.38 Ω/100 m	
	DC conductor resistance unbalance	≤ 4.0%	
	Ambient temperature	-20°C to 75°C (-4°F to 167°F)	
	Operating voltage	57 V	
Physical Properties	Cable length	305 ± 0.5 m	100 ± 0.5 m
	Package dimension	381 mm (W) × 381 mm (H) × 241 mm (D)	260 mm (W) × 260 mm (H) × 108 mm (D)
	Weight	13kg Approx	4.6kg Approx
	Packing	Coil	Coil

Technical Performance (100 m)

FREQ (MHz)	ATT (20 °C) ≤ (dB)	RL ≥(dB)	NEXT ≥(dB)	PS NEXT ≥(dB)	EL FEXT ≥(dB)	PS EL FEXT ≥(dB)	Phase delay ≤(ns)
1	2.03	20.0	74.3	72.3	67.8	64.8	570
4	3.78	23.0	65.3	63.3	55.8	52.8	552
8	5.32	24.5	60.8	58.8	49.7	46.7	547
10	5.95	25.0	59.3	57.3	47.8	44.8	545
16	7.55	25.0	56.2	54.2	43.7	40.7	543
20	8.47	25.0	54.8	52.8	41.8	38.8	542
25	9.51	24.3	53.3	51.3	39.8	36.8	541
31.25	10.67	23.6	51.9	49.9	37.9	34.9	540
62.5	15.38	21.5	47.4	45.4	31.9	28.9	539
100	19.80	20.1	44.3	42.3	27.8	24.8	538
200	28.98	18.0	39.8	37.8	21.8	18.8	537
250	32.85	17.3	38.3	36.3	19.8	16.8	536

Cable complies to 100m Channel Link Alien cross talk as per ANSI/TIA 568.2-D Standard

Manufacturing Units

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