

Cat 6 U/UTP Ethernet Cable 305M PVC

Cat 6 Solid in Reel Box



4Cabling's range of quality CAT6 305M Ethernet Cable are made from 100% bare copper. They are designed to be used in high data transmission and mission critical situations where data integrity and transfer speeds are of the utmost importance.

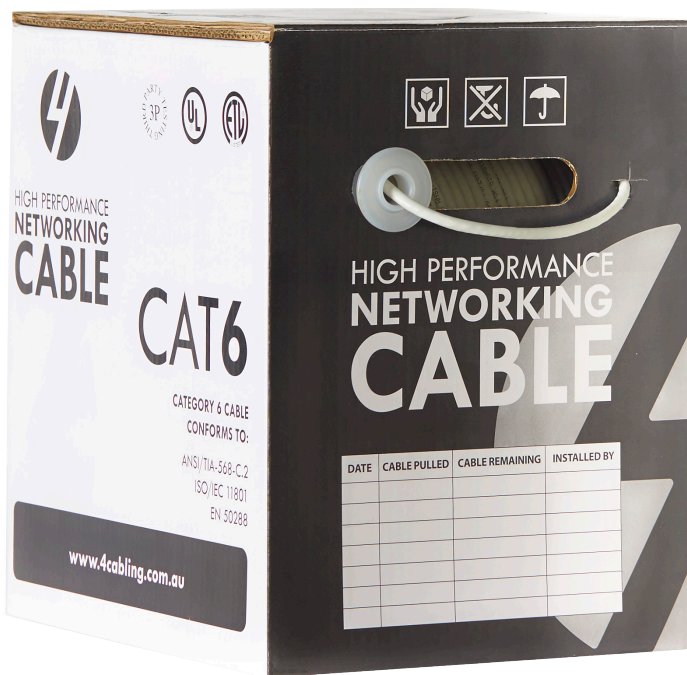
CAT6 Ethernet Cable allow for better signal to noise ratio with minimal loss, which translates to faster and more reliable networking for today's applications.

4Cabling 305M CAT6 cable boxes are available in 9 colours to help designate specific services or simply for aesthetic purposes.

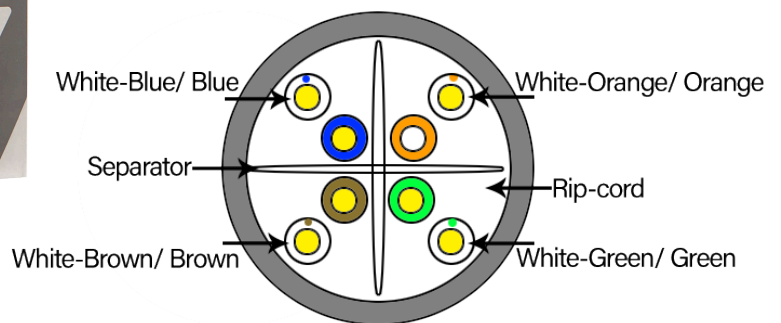
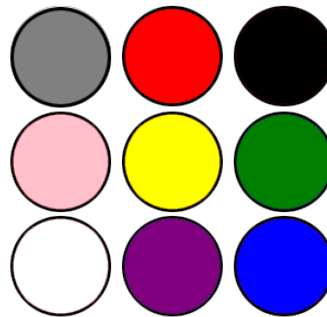
All 4Cabling CAT6 cable boxes are rigorously tested and certified to ISO/IEC 11801, TIA/EIA-568-C.2, YD/T 1019, and ensure RoHS compliance.

Compared with Cat-5e and CAT6 Ethernet cable features more stringent specifications for crosstalk and system noise. The cable standard provides the performance of up to 250 MHz and is suitable for 10BASE-T, 100BASE-TX (Fast Ethernet), 1000BASE-T / 1000BASE-TX (Gigabit Ethernet) and 10GBASE-T (10-Gigabit Ethernet).

Demand the best and ask for 4Cabling CAT6 by name to ensure your network performs the way it designed.



Available Cable Colours



4CABLING CAT 6 UTP ETHERNET CABLE CONSTRUCTION & CHARACTERISTICS

Conductor	Material	Solid-Bare Copper		
	Nom.O.D. (mm)	0.550	up	+0.005
			down	-0.005
Insulation	Material	HDPE		
	Diameter	0.95 ± 0.03mm		
Sheath	Thickness	0.55 ± 0.05mm		
	External O.D.	6.2 ± 0.4mm		
	Surface	Clean, Frap, Satiation		
	Material	PVC (RoHS Compliant)		
	Colour	Grey, Red, Black, Blue, Green, Purple, Pink, White, Yellow		
Packing Length	305 ± 1.5m			
Rip Cord	Yes			
Drain Wire	No			
Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)	≥ 13.5	
		Elongation (%)	≥ 150	
	Aging Period (°C x hrs)	100°C x 24hrs x 7d		
	After Aging	Tensile Strength (Mpa)	≥ 12.5	
		Elongation (%)	≥ 125	
	Cold Bend (-20°C ± 2°C x 4h)	No visible cracks		
Electrical Characteristics (20°C)	1.0-250.0MHz Impedance (Ω)	100 ± 15		
	1.0-250.0MHz Delay Shew (ns/100m)	≤ 45		
	DC Resistance (Ω/100m) max	9.5		
	DC Conductor Resistance Unbalance max (%)	5		

Technical Performance (100m):

Frequency (Mhz)	RL ≥ dB	ATT (20°C) ≤ dB	Next ≥ dB	Phase Delay ≤ ns	PSNEXT ≥ dB	ELFEXT ≤ dB	PSELFEXT ≥ dB
1.0	20.0	2.03	74.3	570.00	72.3	67.8	64.8
4.0	23.0	3.78	65.3	552.00	63.3	55.8	52.8
8.0	24.5	5.32	60.8	546.73	58.8	49.7	46.7
10.0	25.0	5.95	59.3	545.38	57.3	47.8	44.8
16.0	25.0	7.55	56.2	543.00	54.2	43.7	40.7
20.0	25.0	8.47	54.8	542.05	52.8	41.8	38.8
25.0	24.3	9.51	53.3	541.20	41.3	39.8	36.8
31.25	23.6	10.67	51.9	540.44	49.9	37.9	34.9
62.5	21.5	15.38	47.7	538.55	45.4	31.9	28.9
100.0	20.1	19.80	44.3	537.60	42.3	27.8	24.8
200.0	18.0	28.98	39.8	536.54	37.8	21.8	18.8
250.0	17.3	32.85	38.3	536.27	36.3	19.8	16.8

