



CAT6 UTP LAN Cable 305m CAT6 Reel Cable Box

Cat 6 Ethernet Cables allow for better signal to noise ratio with minimal loss - which translates to faster and more reliable networks for today's applications. Compared with Cat-5 and Cat-5e, Cat-6 ethernet cable features more stringent specifications for crosstalk and system noise. The cable standard provides performance of up to 550 MHz and is suitable for 10BASE-T, 100BASE-TX (Fast Ethernet), 1000BASE-T / 1000BASE-TX (Gigabit Ethernet) and 10GBASE-T (10-Gigabit Ethernet).

CONSTRUCTION & CHARACTERISTICS:

Conductor	Material/Size	Bare Copper/ 23AWG
Insulation	Material	HDPE
	Thickness	Normal: 0.22mm (avg.)
	Diameter	Normal: 1.00mm
	Colours	Blue/White-Blue Orange/White-Orange Green/White-Orange Brown/White-Brown
	Elongation	Min. 300%
	Tensile Strength	Min. 1.682kg/mm ²
Sheath	Material	PVC
	Thickness	Average: 0.50mm
	Diameter	6.3 ± 0.3mm
	Colours	Assorted upon request
	Elongation	Min. 100%
	Tensile Strength	Min. 1.407kg/mm ²
	Aging @100°C for 168hrs	Min. elongation retention: 50% Min. tensile strength retention: 75%
Marking		CAT.6 UTP ISO/IEC 11801 & EN 50288 & TIA/EIA-568-B.2-1 ETL/3P VERIFIED - 23AWGX4P SOLID TYPE CM (UL) C(UL) E164469 XXXXXM
Flame Test		Burning 5 times, every time is less than 60 second and paper flag can't be burned
Max. Rated Operating Temperature		75°C

Approvals:

- UL/cUL Listed
- ETL/3P Certified ANSI/TIA/EIA-568-B.2-1 Category 6 Testing Safety/ Performance requirements.



CONNECT & COLLECT LOCATIONS

4/201 Parramatta Road,
Homebush West NSW 2140

17/428 Old Geelong Road
Hoppers Crossing VIC 3029

2/1277 Lytton Road
Hemmant QLD 4174

1/9 Collingwood Street
Osborne Park WA 6017



COMPLIANCES:

- UL/cUL Listed & EIA/TIA & ACMA approved
- ANSI/TIA/EIA 568-B.2-1 CAT.6
- ISO/IEC 11801 CLASS E, 2nd Edition
- IEC 61156-6
- Australian Standard AS/CA S008:2010
- CENELEC EN 50173-1 CENELEC EN 50288-5-1 & CENELEC EN 50288-5-2
- Flame retardancy is verified according to IEC 60332-1-2
- RoHS compliance European Union issued directive 2002/95/EC

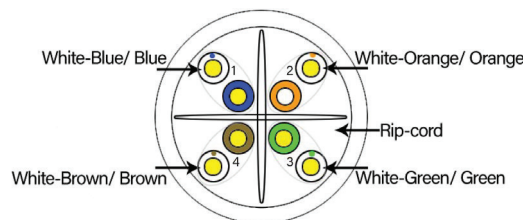
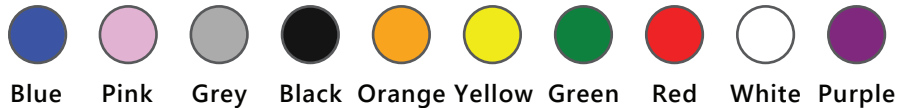


ELECTRICAL PERFORMANCE:

NVP Rating		Around 69%		
Spark Test		2000 ± 250V ac		
Dielectric Strength		2500V dc / 3 seconds		
Insulation Resistance Test		Min. 150M Ω/Km		
Conductor Resistance		Max. 9.38 Ω/100m at 20°C		
Resistance Unbalance		Max. 2%		
Capacitance Unbalance		Max. 160 pF/100m		
Mutual Capacitance		Max. 5600 pF/100m		
Impedance	64kHz	125 Ω ± 20%		
	1-250MHz	100 Ω ± 15%		
	Frequency (MHz)	Attenuation (dB/100m@20°C)	Next (dB), Min.	Power Sum (dB) Min.
	1MHz	- -	74.3*	64.0*
	4MHz	3.8*	65.3*	63.3*
	10MHz	6.0*	59.3*	57.3*
	16MHz	7.6*	56.2*	54.2*
	20MHz	8.5*	54.8*	52.8*
	31.25MHz	10.7*	51.9*	49.9*
	62.5MHz	15.5*	47.4*	45.4*
	100MHz	19.9*	44.3*	42.3*
	150MHz	25.3*	41.4*	39.4*
	200MHz	29.2*	39.8*	37.8*
	250MHz	33.0*	38.3*	36.3*



AVAILABLE COLOURS:



For more information, or if your requirements are not specified please call **1300 855 235** or email sales@4cabling.com.au and one of our experienced team members will help you.

