



CAT 6 UTP LAN OUTDOOR GEL FILLED CABLE - 305M ROLL ON A REEL: BLACK

Suitable for direct underground burial, in addition, the sheath is UV stabilised for protection if there is any part of the cable exposed to sunlight.

Protect your cables from the harsh Australian environment - from sun damage, moisture, and possible corrosion resulting in electrical shorts and equipment deterioration. 4Cabling's CAT6 UTP GEL Filled Outdoor 23AWG UV Stabilised cables shield wires and broadcast up to 550MHz for broadband video, meeting the telecommunications standards of EIA/TIA 568 C.2 for the construction of cable components and operations. These Category 6 outdoor cables transmit data across a copper distributed data interface (CDDI), optimal for great Gigabit Ethernet performance.

The CAT 6 cable is protected from outdoor hazards by a black UV jacket, marked with metre lengths to reduce constant measuring during installation. CAT6 UTP outdoor cables are perfect for maintaining your Ethernet or cable network set-up, and you can be at ease knowing it is working at maximum efficiency, carrying information at 155/622Mbps. When running cables between buildings or from an internal source to an external one, this CAT6 outdoor GEL filled cable will keep it safe and secure.

FEATURES

- Underterminated
- Bare Copper / 23AWG
- Impedance Matched
- 23AWG Solid Copper Conductors
- Metre marked Black UV stabilised jacket
- Suitable for direct underground burial

CABLE SPECIFICATIONS

- Cable Type:** Cat6
- Connectors:** Un-terminated
- Length:** 305m
- Colour:** Black
- Jacket Material:** PE
- Filler Material:** Jelly Filling Compound
- Insulation Material:** LDPE
- Diameter:** Nominal 6.4mm

APPLICATIONS

- 1000BASE-TX Gigabit Ethernet
- 10BASE-T, 100BASE-TX Fast Ethernet (IEEE 802.3)
- 100 VG – AnyLAN (IEEE802.12), 155/622 Mbps ATM
- 550MHz Broadband Video
- Voice, T1, ISDN



GITC APPROVED

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



CHARACTERISTICS

Conductor	Material / Size	Bare Copper / 23AWG
Insulation	Material	PE
	Thickness	Nominal: 0.26 mm
	Diameter	Nominal: 1.08 mm
	Colour	Blue/White-Blue Orange/White-Orange
		Green/White-Green Brown/White-Brown
	Unaged Elongation	Min. 100%
Unaged Tensile Strength	Min. 0.816 Kg/mm ²	
Separate	Material	PE
Filter	Material	Jelly Filing Compound
Jacket	Material	LDPE
	Thickness	Nominal: 0.5 mm
	Diameter	Nominal: 6.4 mm
	Colour	Black
	Unaged Elongation	Min. 350%
	Unaged Tensile Strength	Min. 0.989 Kg/mm ²
	Aging at 100°C for 168Hrs	Min. elongation retention: 75%
Min. tensile strength retention: 75%		
Marking	YFC CAT.6 UTP (OUTDOOR USE) 23AWGX4P INSTALLATION CONFORMS TO ANSI/TIA-568-C.2 & ISO/IEC 11801 ED.2 & EN 50288-2-1 & IEC 60332-1-2 [XXXXXXXXM]	
(PS): “ + ” Mould separate		

ELECTRICAL PERFORMANCES

Dielectric Strength of Insulation		2500 V dc / 2 seconds		
Insulation Resistance Test		Min. 5000 MΩ·Km		
Conductor Resistance		Max. 7.32 MΩ·Km at 20°C		
Resistance Unbalance		Max. 2%		
Capacitance Unbalance		Max. 160 pF/100m		
Mutual Capacitance		Max. 5600 pF/100m		
Impedance	1~100MHz	100Ω ± 15%		
	101~250MHz	100Ω ± 22%		
Attenuation & Near End Cross Talk	Frequency	Max. Attenuation	NEXT	PSNEXT
	MHz	(dB/100 meters)	(dB), Min.	(dB), Min.
	1 Mhz	2.0*	74.3*	72.3*
	4 Mhz	3.8*	65.3*	63.3*
	10 Mhz	6.0*	59.3*	57.3*
	16 Mhz	7.6*	56.2*	54.2*
	20 Mhz	8.5*	54.8*	52.8*
	31.25 Mhz	10.7*	51.9*	49.9*
	62.5 Mhz	15.4*	47.4*	45.4*
	100 Mhz	19.8*	44.3*	42.3*
	150 Mhz	24.9*	41.4*	39.4*
	200 Mhz	29.0*	39.8*	37.8*
	250 Mhz	32.8*	38.3*	36.3*
The asterisk (*) value are for information only. The minimum Next coupling loss for any pair combination at room temperature is to be greater than the value determined using the formula: NEXT(f MHZ) ≥ NEXT(0.772)-15LOG10(F MHZ/0.7720)dB				

COMPLIANCE

All proposed category 6 requirements as per ANSI/TIA, ISO/IEC, and CENELEC EN standards:

ANSI/TIA-568-C.2 Cat.6

ISO/IEC 2nd Edition 11801 CLASS E

CENELEC EN 50173-1

AS/CA S008:2010

CENELEC EN 50288-6-1, IEC 61156-5 for horizontal cable

Flame retardancy is tested according to UL1581

Our products always comply with RoHS and REACH Directives

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.

