



CAT 6 LSZH JACKET UTP LAN CABLE WITH SOLID CONDUCTORS 305m

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).

APPLICATIONS:

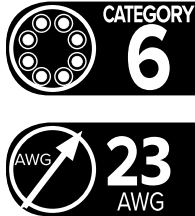
Gigabit Ethernet, Multimedia, video, voice & data
Horizontal wiring in Local Area Networks (LAN)
550MHz Broadband Video



Available Reel Sizes:
305m Only (1000ft)
Metre Marked from 305m
at the start of each roll

CONSTRUCTION & CHARACTERISTICS:

Part#	007.002.0050-R			
Conductor	Material	SOLID-Bare Copper		
	Norn. 0.0. (mm)	0.550	Up	+0.005
			Down	-0.005
Insulation	Material	HDPE		
	Diameter	0.95 ± 0.03mm		
Colour	A. White-Blue, Blue	B. White-Orange, Orange		
	C. White-Green, Green	D. White-Brown, Brown		
Rip-cord	Yes	Drain Wire	No	
Sheath	Thickness	0.55 ± 0.05mm		
	External O.D.	6.2 ±0.4mm		
	Surface	Clean, Frap, Satiation		
	Material	LSZH (Complies RoHS and CM (UL) rated)		
	Colour	Blue		
Sheath Physical Properties	Before Aging	Tensile Strength(Mpa) ≥13.5 / Elongation(%) ≥150		
	Aging Period (°C x hrs)	100°C x 24h x 7d		
	After Aging	Tensile Strength(Mpa) ≥12.5 / Elongation(%) ≥125		
	Cold Blend (-20 ±2°Cx4h)	No visible cracks		
Electrical Characteristics (20°C)	10-250.0MHz, Characteristic impedance (Ω) 100 ± 15			
	10-250.0MHz, Delay Shew (ns/100m) ≤45			
	DC Resistance (Ω/100m) max 9.38			
	DC Conductor Resistance Unbalance (%)max 5.0			



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



STANDARD COMPLIANCES:

UL listed & EIA/TIA and ACMA approved

ANSI/TIA/EIA 568-B.2-1 CAT.6

ISO/IEC 11801 CLASS E, 2nd Edition

IEC 61156-6

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

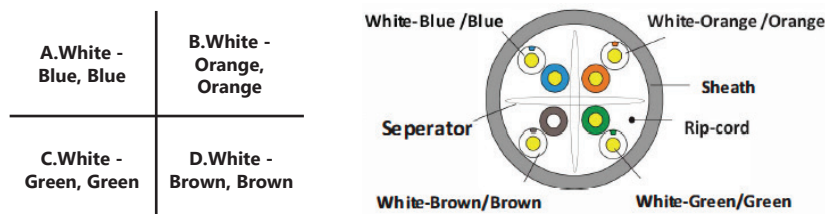
ELECTRICAL PERFORMANCE:

Freq (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	72.3	67.8	64.8
4	63.3	55.8	52.8
8	58.8	49.7	46.7
10	57.3	47.8	44.8
16	54.2	43.7	40.7
20	52.8	41.8	38.8
25	41.3	39.8	36.8
31.25	49.9	37.9	34.9
62.5	45.4	31.9	28.9
100	42.3	27.8	24.8
200	37.8	21.8	18.8
250	36.3	19.8	16.8

Freq (MHz)	RL ≥dB	ATT ≥dB	NEXT ≥dB	DELAY ≥ns
1	20.0	2.0	65.3	570.00
4	23.0	4.1	56.3	552.00
8	24.5	5.8	51.8	546.73
10	25.0	6.5	50.3	545.38
16	25.0	8.2	47.2	543.00
20	25.0	9.3	45.8	542.05
25	24.3	10.4	44.3	541.20
31.25	23.6	11.7	42.9	540.44
62.5	21.5	17.0	38.4	538.55
100	20.1	22.0	35.3	537.60
200	18.0	28.98	39.8	536.54
250	17.3	32.85	38.3	536.27



CONFIGURATION:



Although every precaution has been taken to ensure the accuracy of the product specifications at the time of publication, we cannot be responsible for the errors, omissions, or changes due to obsolescence. All data contained herein is subject to change without notice.

