



## CAT6 ULTRA THIN LSZH ETHERNET NETWORK CABLES

4Cabling's Ultra-Thin Cat6 cables are a great option for high density patch panel setups, where every bit of space matters. All 4Cabling network Cat6 cables are Fluke tested and are manufactured using gold-plated connectors which meet and exceed Australian industry standards.

Cat 6 features more stringent specifications for crosstalk and system noise. The cable standard provides performance up to 250MHz and is suitable for Fast Ethernet, Gigabit Ethernet and 10-Gigabit Ethernet.

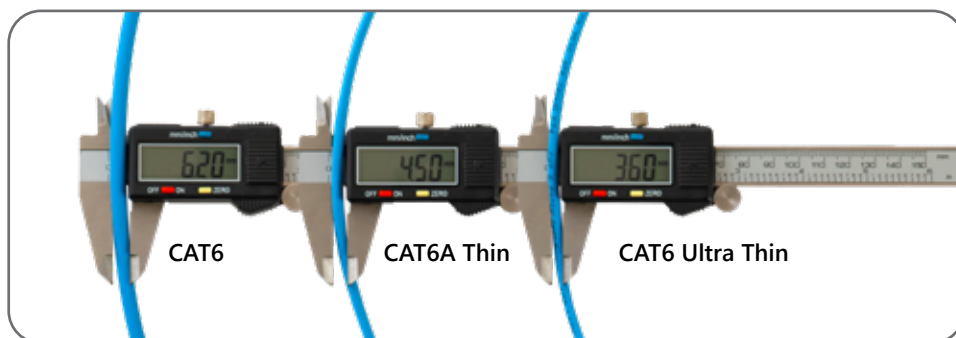
### FEATURES

- Diameter: 3.6mm
- 100% Copper
- LSZH Jacket
- Connector Type: RJ45-RJ45
- Fully molded strain-relief boot
- Low-profile flush moulded boots
- Fitted with 50µ<sup>a</sup> Category 6 compliant 2-row (staggered pin) plug
- 8 multi-strand conductors in 4 twisted-pair T568A colour-coded configuration
- 3-year warranty



### COMPLIANCES

- AS/CA S008:2010
- ISO/IEC 11801 Category 6
- TIA/EIA-568-C.2 Category 6



### AVAILABLE COLOURS:



### AVAILABLE LENGTHS:

0.15m, 0.25m, 0.5m, 0.75m, 1m, 1.5m, 2m, 2.5m, 3m, 4m, 5m

## CONNECT & COLLECT

SYDNEY - Head Office  
17/31 Maddox St  
ALEXANDRIA NSW 2015

MELBOURNE  
17/428 Old Geelong Rd  
HOPPERS CROSSING VIC 3029

BRISBANE  
Unit 12/58 Metroplex Ave  
MURARRIE QLD 4172



## CAT6 ULTRA THIN LSZH ETHERNET NETWORK CABLES

### Electrical & Mechanical Characteristics

1.	Conductor Resistance	$\leq 5\Omega$
2.	Insulation Resistance	$\geq 10M\Omega$
3.	Insulation Resistance By Mated Connectors, Measured Between Terminations	$> 500M\Omega$
4.	Insulation Resistance By Mated Connectors	$\geq AC1000V$
5.	Characteristics Impedance	$100 \pm 6\Omega @ 1-250MHz$
6.	Contact Resistance	Max. 20m $\Omega$
7.	Resistance Unbalance	Max. 2%
8.	Voltage Rating	Max. 75V AC
9.	Dielectric Strength	1000V AC/1 minute min rms
10.	Ampacity	Max. 1.0 Amps
11.	Coupling Attenuation	40dB min @30-100MHz 40-20log(f/100) @100-250MHz
12.	Transfer Impedance	N/A
13.	Durability	$\geq 1200$ matching cycles
14.	Cable to Plug Tensile Strength	Min. 9 Kgf (90N)
15.	Pulling Force	Max. 1 Kgf (10N)
17.	Industrial Standard	ISO/IEC 11801:2011 (Ed. 2.2) ANSI/TIA/EIA-568-C.2 EN 50173-1:2011 EN 50173-2:2007 incl. Amendment A1:2010



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Transmission Characteristics				
Freq.	RL	NEXT	PS-NEXT	Prop. Delay
MHz.	(min. dB at 20°C)	(min. dB)	(min. dB)	(max.ms)
1	20.0	74.3	72.3	570
4	23.0	65.3	63.3	552
8	24.5	60.8	58.8	549
10	25.0	59.3	57.3	545
16	25.0	56.2	54.2	543
20	25.0	54.8	52.8	542
25	24.2	53.3	51.3	541
31.25	23.3	51.9	49.9	540
62.5	20.7	47.4	45.4	539
100	19.0	44.3	42.3	538
200	16.4	39.8	37.8	537
250	15.6	38.3	36.3	536

Environmental Characteristics	
Transport & Storage	-25°C to +70°C
Installation Temperature	-10°C to +50°C
Operating Temperature	-25°C to +60°C
Flame Test	Complies with IEC 60332-1-2



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