

# Copper Patch Lead (Cat 6 Ultra Thin)

L1-C6-UT-XX-YY

\*XX – Length \*YY-Colour

## PRODUCT DESCRIPTION:

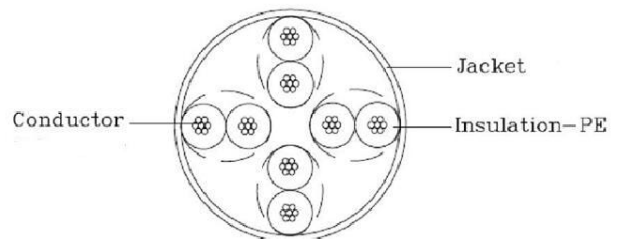
Layer 1 Cat6 28AWG Ultra thin Copper patch leads come in range of standard lengths and colours to satisfy all of your Data Centre patching requirements. Layer 1 Ultra thin patch leads are 33% smaller in diameter than standard Cat6 patch leads, and are ideal for use in high density environments.



AVAILABLE LENGTHS : 0.5m, 1m, 1.5m, 2m, 3m, 5m & 10m

## KEY FEATURES

- ◆ Tested to pass 250 MHz data transmission rates
- ◆ Meets Cat6 ANSI/TIA-568-C.2 standards
- ◆ Compliant with CE, RoHS, REACH standards
- ◆ Low smoke zero halogen jacket allows for deployment in controlled data centre environments
- ◆ Wide operating temperature suits a range of environments
- ◆ Guaranteed performance and quality
- ◆ 100% Bare Copper
- ◆ Available in 6 different colours
- ◆ Fully moulded strain-relief boot
- ◆ Supports Gigabit bandwidth
- ◆ Compliant to AS/CA S008:2010



## TECHNICAL SPECIFICATION

Part Number	L1-C6-UT-XX-YY
Description	4-Pair, UTP, 28 AWG, stranded conductors
Length	0.5m, 1m, 1.5m, 2m, 3m, 5m & 10m
Colour	BL, GY, GN, BL, WH, YL
Package Type	Compound bag

## ELECTRONIC SPECIFICATION

Conductor DC Resistance	22.7Ω/100m
Impedance	100 Ω
Capacitance	5600 pf/100m
Propagation Delay	545ns/100m(Maximum)
Delay Skew	45ns/100m(Maximum)

## PHYSICAL SPECIFICATIONS

Wiring Scheme	T568B
Temperature Rating	-20°C - + 75°C
Voltage Rating	30v

<b>CONDUCTOR (4 TWISTED PAIR)</b>	
<b>Conductor</b>	28AWG (7/0.12mm BC)
<b>Insulation</b>	HD-PE: $\varnothing 0.75 \pm 0.05$ mm
<b>Twisted Pair</b>	Pair1 = Orange, Orange-White Pair2 = Blue, Blue-White Pair3 = Green, Green-White Pair4 = Brown, Brown-White
<b>Shield</b>	N/A
<b>CONNECTOR TYPE (QTY.2)</b>	
<b>Connector Type</b>	Unshielded 8P8C (RJ45)
<b>Gender</b>	Male
<b>Connector Material</b>	Polycarbonate
<b>Contact Material</b>	Copper Alloy, Gold Plating
<b>Hood Material</b>	Molded PVC
<b>OVERALL CABLE</b>	
<b>Jacket</b>	LSZH
<b>Minimum Average Thickness</b>	0.4mm
<b>Outer Diameter</b>	$3.8 \pm 0.2$ mm