# SelectData
## Cables, Connectors & More

# 2019 Product Catalogue

## Copper Ethernet Sub-Catalogue



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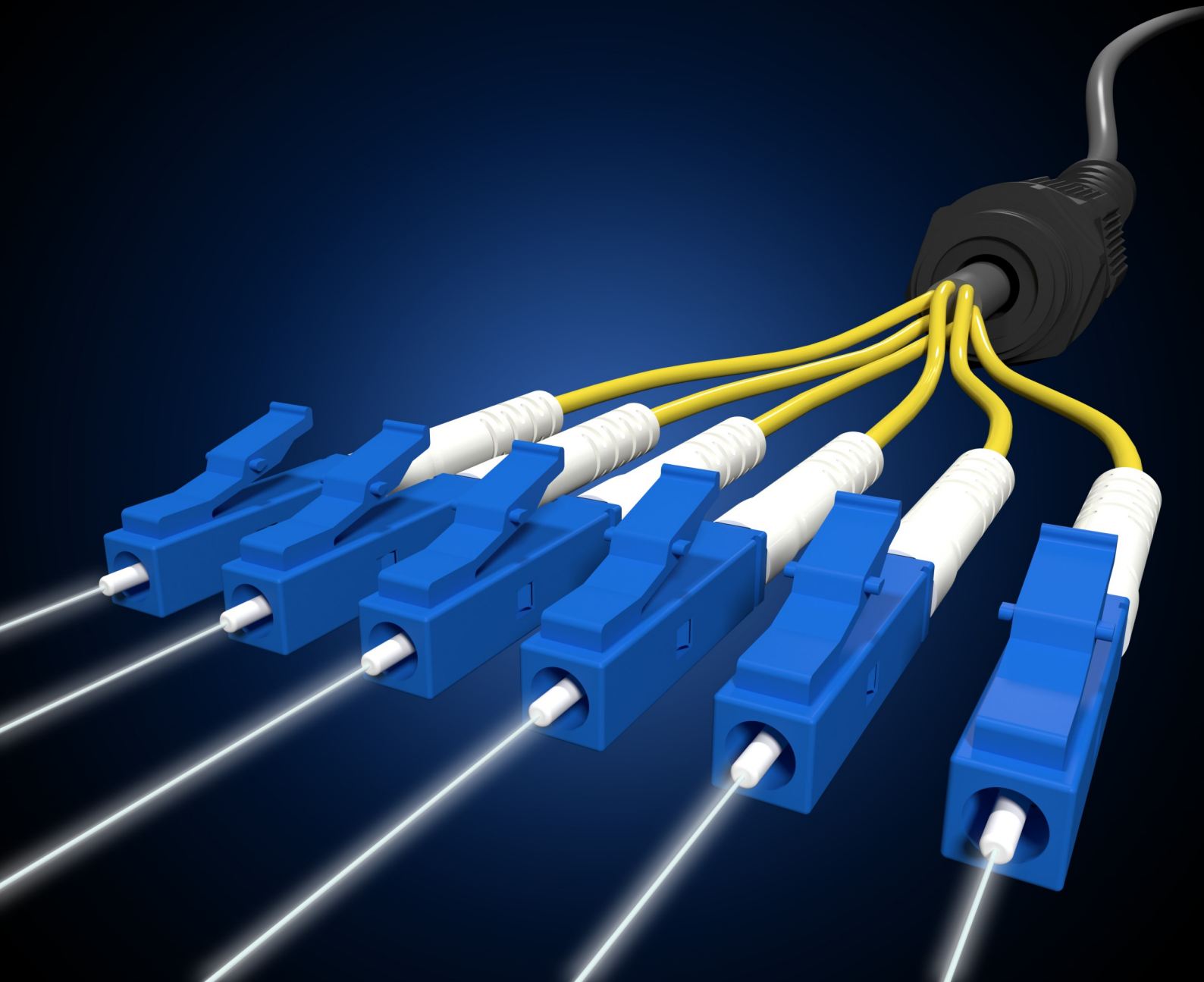
# Lite Trace Copper RJ45 Leads

## Features:

- Cable types
- Cat 5 e
- Cat 6
- Cat 6 A
- LSZH Sheath
- Snag-less Connector Design
- Meets or exceeds all applicable standards
  - TIA/EIA 568C.2
  - ISO/IEC 11801
  - ACMA

**Unique Features:**

**Lite Trace**

Attach the Trace Tester tool to the local/known end of the lead, turn the power on and both the local/known and remote/unknown end will light up

Push the Power Button and it will toggle between two modes, constant and flashing

## Description:

Looking for an easy method to trace your network connections in your crowded Data Centre or Equipment Cabinet infrastructure?

The answer is *LiteTrace Leads!*

Simply attached our Trace Tester tool to the rear of our *Lite Trace Lead* & we'll light the way

Fits with industry standard patch panels, network switches & Interface equipment
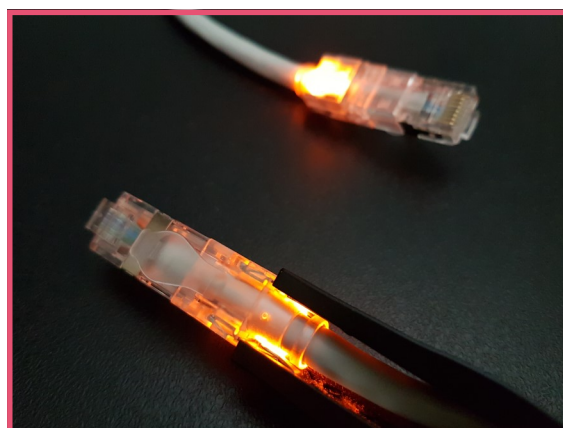


## Part Number Breakdown

LT C6A 0.5 BL

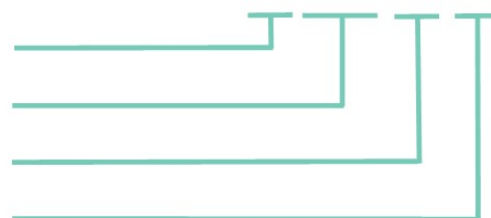| | |
|---|---|
| Product Series | Lite Trace |
| Cable mode Cat 5e / Cat 6 / Cat 6A | C6A |
| Cable Length in metres | 0.5 metre |
| Sheath Colour | Blue |

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# Copper Ethernet Products
# Cat 5e Patch Leads

Cat 5e patch cables are the ideal choice for connecting home or small office networks including hubs, switches, routers, modems and patch panels.

Our Cat 5e patch cables meet or exceed Cat 5e specifications including international TIA/EIA standards and are A-Tick certified as per ACMA requirements.

Manufactured using 24AWG twisted pair stranded conductors and 50 Microns of gold on the connectors to guarantee maximum performance and to ensure reliable data transmission in the most demanding network environments.

For durability and long lasting performance, our Cat 5e cables feature a snagless design moulded boot to prevent unwanted cable snags during installation and protects the RJ45 connector clips from damage

Features:

- 24 AWG Wire
- Rated up to 350Mhz
- CM rated PVC Jacket
- Snag-less Boot
- RJ45 50u Gold Plated
- Australian Standards Approved (AS/CA S008/2010)
- Cat 5e Compliance  (TIA568C.2)
- 10 Colours
    - ⇒ Blue
    - ⇒ Yellow
    - ⇒ Green
    - ⇒ Red
    - ⇒ Black
    - ⇒ Orange
    - ⇒ Violet
    - ⇒ White
    - ⇒ Pink
    - ⇒ Grey

| Part # | Description | Length |
|--------|-------------|--------|
| C5PL0.5xx | Cat5e 24AWG Snagless Patch Leads | 0.5mt |
| C5PL1xx | Cat5e 24AWG Snagless Patch Leads | 1mt |
| C5PL1.5xx | Cat5e 24AWG Snagless Patch Leads | 1.5mt |
| C5PL2xx | Cat5e 24AWG Snagless Patch Leads | 2mt |
| C5PL3xx | Cat5e 24AWG Snagless Patch Leads | 3mt |
| C5PL5xx | Cat5e 24AWG Snagless Patch Leads | 5mt |
| C5PL10xx | Cat5e 24AWG Snagless Patch Leads | 10mt |
| xx = Colour: | BL=Blue,  YL = Yellow, GN = Green, RD = Red, PK = Pink | |
| | BK = Black, OR = Orange, VL = Violet, WH = White, GY=Grey | |

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# Copper Ethernet Products
## Cat 6 Patch Leads

Your network is only as good as your infrastructure. Cat 6 patch cables are designed for high performance networks where maximum speeds and reliability are required. Ideal for connecting switches, storage devices, routers, modems, host adapters and patch panels. Our Cat 6 patch cables meet or exceed Cat 6 specifications including international TIA/EIA standards and are A-Tick certified as per ACMA requirements.

Manufactured using 24AWG twisted pair stranded conductors and 50 Microns of gold on the connectors to guarantee maximum performance and to ensure reliable data transmission in the most demanding network environments. Our Cat 6 cables also feature staggered pin construction and offset twisted pairs to minimize Near End Crosstalk (NEXT) levels.

For durability and long lasting performance, our Cat 6 cables feature a snagless design moulded boot to prevent unwanted cable snags during installation and protects the RJ45 connector clips from damage.

Features:

- 24 AWG Wire
- Rated up to 550Mhz
- CM rated PVC Jacket
- Snag-less Boot
- RJ45 50u Gold Plated
- Australian Standards Approved (AS/CA S008/2010)
- Cat 6 Compliance  (TIA568C.2)
- 10 Colours
    - ⇒ Blue
    - ⇒ Yellow
    - ⇒ Green
    - ⇒ Red
    - ⇒ Black
    - ⇒ Orange
    - ⇒ Violet
    - ⇒ White
    - ⇒ Pink
    - ⇒ Grey

| Part # | Description | Length |
|--------|-------------|--------|
| C6PL0.5xx | Cat6 24AWG Snagless Patch Leads | 0.5mt |
| C6PL1xx | Cat6 24AWG Snagless Patch Leads | 1mt |
| C6PL1.5xx | Cat6 24AWG Snagless Patch Leads | 1.5mt |
| C6PL2xx | Cat6 24AWG Snagless Patch Leads | 2mt |
| C6PL3xx | Cat6 24AWG Snagless Patch Leads | 3mt |
| C6PL5xx | Cat6 24AWG Snagless Patch Leads | 5mt |
| C6PL10xx | Cat6 24AWG Snagless Patch Leads | 10mt |

| xx = Colour: | BL=Blue,  YL = Yellow, GN = Green, RD = Red, PK = Pink |
|---|---|
| | BK = Black, OR = Orange, VL = Violet, WH = White, GY=Grey |

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10 Gigabit Ethernet Cat 6A S/FTP shielded patch cables are designed for high performance networks in the data centre or anywhere maximum speeds and reliability are required.

Our Cat 6A S/FTP patch cables meet or exceed Cat 6A specifications including international TIA/EIA standards, IEEE 802.3an, ISO/IEC 11801 and are A-Tick certified as per ACMA requirements.

These shielded cables are manufactured using four individually aluminium foil mylar wrapped twisted pairs and an overall braided shield to eliminate alien crosstalk and to ensure reliable data transmission in the most demanding network environments.

Our Cat 6A cables also feature staggered pin construction and offset twisted pairs to minimize Near End Crosstalk (NEXT) levels.

For durability and long lasting performance, Cat 6A patch cables feature a snagless design moulded boot to prevent unwanted cable snags during installation and protects the RJ45 connector clips from damage

Features:

- 26 AWG Wire
- Fire Resistant/Flame Retardant PVC Jacket
- Shielding—Overall Braid
- Shielding—Ali Foil /Mylar on each pair
- Snag-less Boot
- Shielded RJ45 50u Gold Plated—Staggered Pin
- Australian Standards Approved (AS/CA S008/2010)
- Cat 6A Compliance  (TIA568C.2.1)
- 8 Colours
  - ⇒ Blue
  - ⇒ Red
  - ⇒ Grey
  - ⇒ Orange
  - ⇒ Violet
  - ⇒ Yellow
  - ⇒ Green
  - ⇒ Black

| Part # | Description | Length |
|---|---|---|
| C6APLS0.5xx | Cat6a 24AWG S/FTP Patch Leads | 0.5mt |
| C6APLS1xx | Cat6a 24AWG S/FTP Patch Leads | 1mt |
| C6A5PSL1.5xx | Cat6a 24AWG S/FTP Patch Leads | 1.5mt |
| C6APLS2xx | Cat6a 24AWG S/FTP Patch Leads | 2mt |
| C6APLS3xx | Cat6a 24AWG S/FTP Patch Leads | 3mt |
| C6APLS5xx | Cat6a 24AWG S/FTP Patch Leads | 5mt |
| C6APLS10xx | Cat6a 24AWG S/FTP Patch Leads | 10mt |
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# Copper Ethernet Products
# Slimline Cat 6A Patch Leads

Cat 6A Slimline

Slimline Category 6A Patch Leads are quickly becoming the preferred patching solution for crowded Server Rooms, Data Centres & Patch Systems.

The decreased diameter of the cable, about half the size of a standard cable, allows for easier cable management, and flexibility as well as better airflow in the cabinet.

We have incorporated a quality 50u Gold RJ45 Connector with a snag-less tab protector, en-sure the best quality solution of your cabling plant.

Features:

- Half the space of a standard Cat 6A Patch Lead
- 28 AWG Wire
- 3.8mm O.D.
- LSZH Jacket
- Snag-less Boot
- RJ45 50u Gold Plated
- Australian Standards Approved (AS/CA S008/2010)
- Cat 6ACompliance  (TIA568C.2.1)
- 10 Colours
    - ⇒ Blue
    - ⇒ Yellow
    - ⇒ Green
    - ⇒ Red
    - ⇒ Black
    - ⇒ Orange
    - ⇒ Violet
    - ⇒ White
    - ⇒ Pink
    - ⇒ Grey

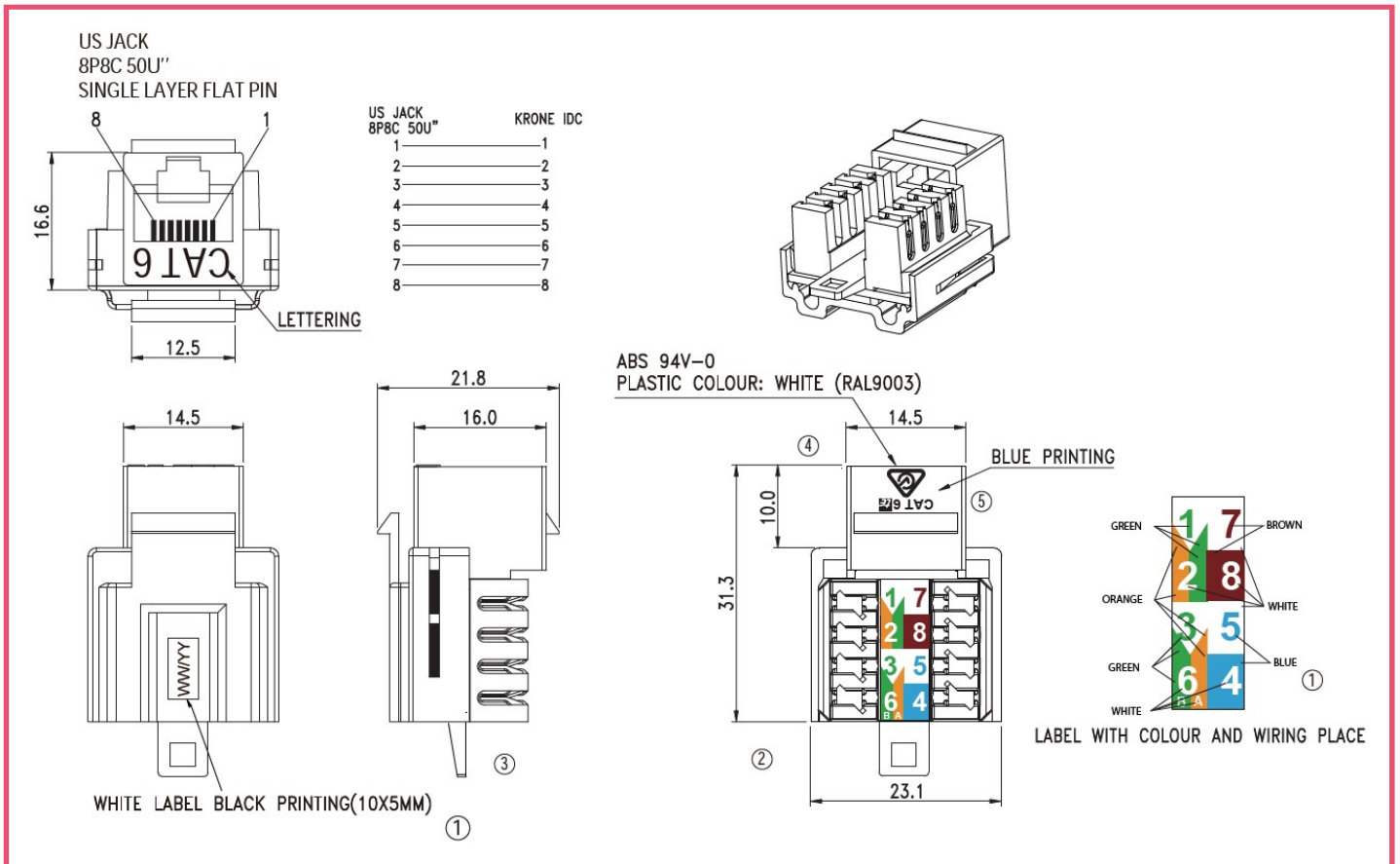| Part # | Description | Length |
|---|---|---|
| C6ASPL0.3xx | Slim Cat6A 28AWG LSZH Patch Leads | 0.3mt |
| C6ASPL0.5xx | Slim Cat6A 28AWG LSZH Patch Leads | 0.5mt |
| C6ASPL1xx | Slim Cat6A 28AWG LSZH Patch Leads | 1mt |
| C6ASPL1.5xx | Slim Cat6A 28AWG LSZH Patch Leads | 1.5mt |
| C6ASPL2xx | Slim Cat6A 28AWG LSZH Patch Leads | 2mt |
| C6ASPL3xx | Slim Cat6A 28AWG LSZH Patch Leads | 3mt |
| C6ASPL5xx | Slim Cat6A 28AWG LSZH Patch Leads | 5mt |
| xx = Colour: | BL=Blue,  YL = Yellow, GN = Green, RD = Red, PK = Pink | |
| | BK = Black, OR = Orange, VL = Violet, WH = White, GY=Grey | |

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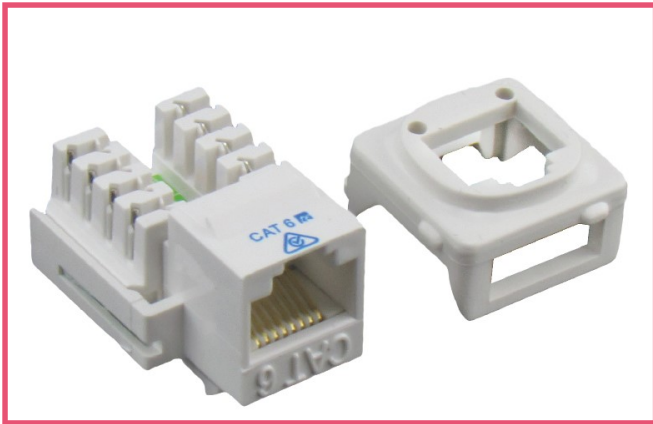
## FEATURES

- 180 degree Keystone Jack
- Main Housing & IDC Terminal: UL94-VO
- IDC Termination: Phosphor Bronze, Tin Plated
- 8PINS: Gold Plating- 50U"
- RJ45 Contacts: Insertions >750 Times
- IDC Life: Insertions >250 Times
- Compliant with EIA/TIA specifications
- Dual colour-coded label for both T568A/T568B wiring schemes
- RoHS Compliant
- Adaptor to suit HPM and Clipsal plates supplied
- Pack of 10 Keystones



US JACK
8P8C 50U''
SINGLE LAYER FLAT PIN

| US JACK 8P8C 50U" | KRONE IDC |
|---|---|
| 1 | 1 |
| 2 | 2 |
| 3 | 3 |
| 4 | 4 |
| 5 | 5 |
| 6 | 6 |
| 7 | 7 |
| 8 | 8 |

LETTERING

16.6
12.5

14.5
21.8
16.0

WHITE LABEL BLACK PRINTING(10X5MM) ①

ABS 94V-0
PLASTIC COLOUR: WHITE (RAL9003)

BLUE PRINTING
14.5
10.0
31.3
23.1

LABEL WITH COLOUR AND WIRING PLACE

GREEN 1 7 BROWN
ORANGE 2 8 WHITE
GREEN 3 5 BLUE
WHITE 6 4 ①
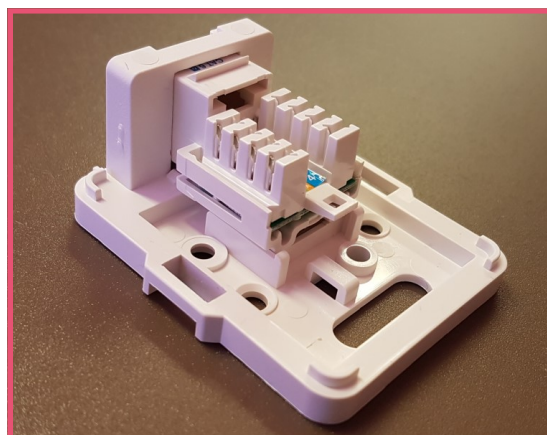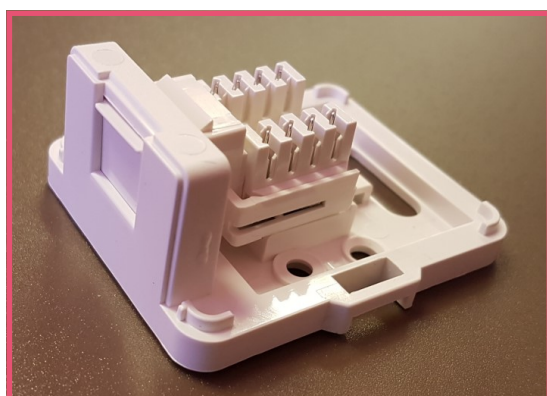
# Copper Ethernet Products
# Keystone Surface Mounts



**Features:**

Shutter Dust Doors

Identification Label Window

Fits standard Keystone Jacks

ABS Plastic 94-VO

Easy Clip on Top Covers

Multiple Cable Entry Points

Built in Cable tie points

| Includes: | Mounting screws |
|---|---|
| | Adhesive back |
| | Cable Tie |
| Single: | 60mm x 52mm x 28mm |
| Dual: | 60mm x 73mm x 28mm |

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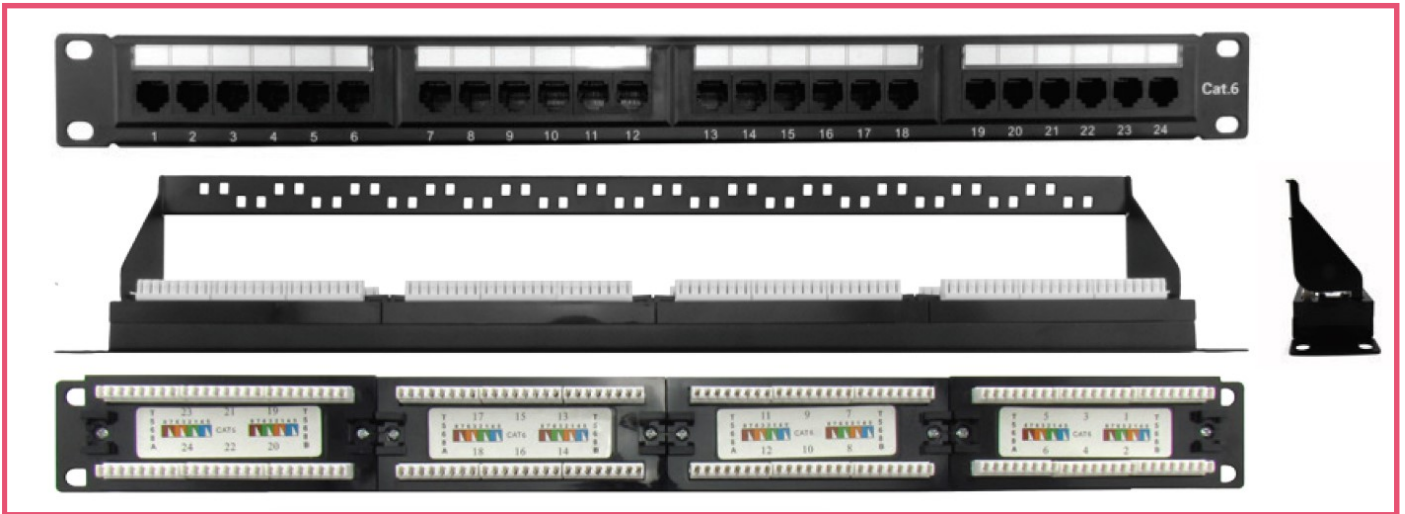
## FEATURES

Patch panel case, metal 1U

RoHS Compliant

RJ45 Jacks

Body: PC UL94V-0 rated.

Colour: Matte Black

50u" Gold plated over Nickel plated in contact area.

Tin-lead over Nickel in solder area.

Connector: Krone & 110 connector body: PC UL94V-0

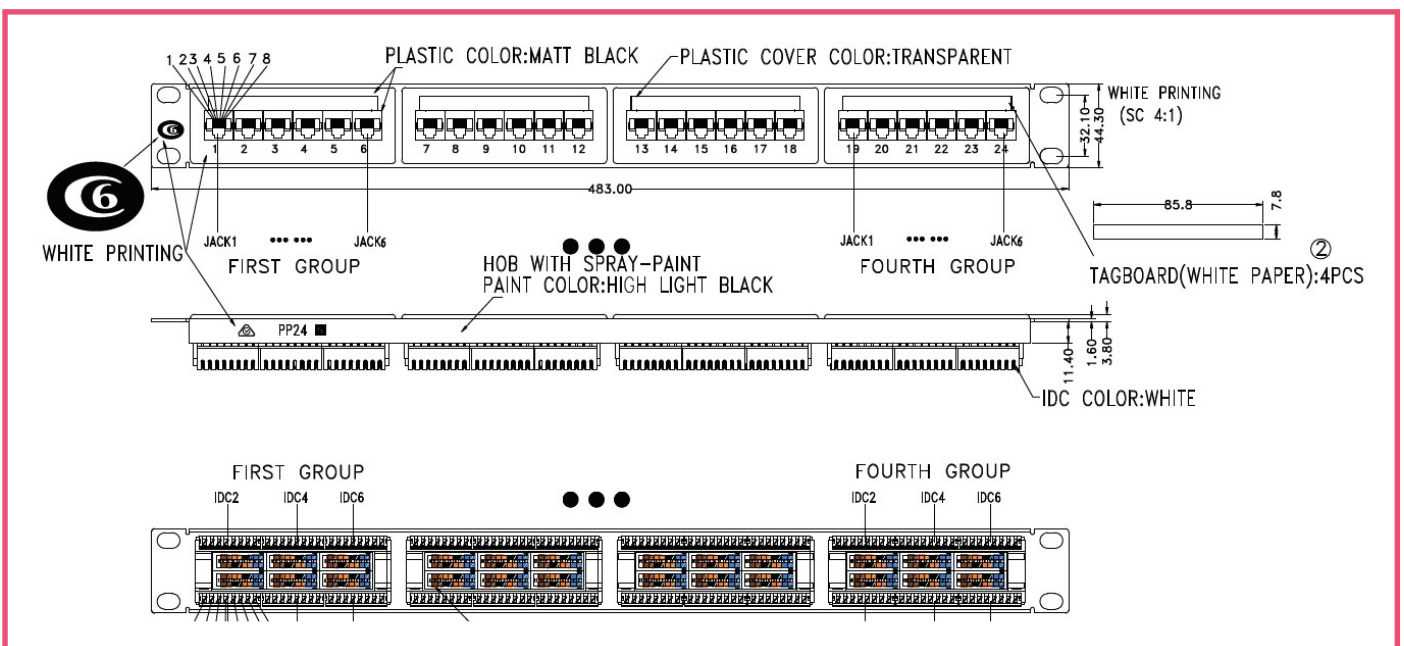Contact: Phosphor Bronze with Tin plated

Colour: Ivory

P.C. board: FR4, 1.6mm double side, UL94V-0

Operation temperature: 0° to 80°C

Insertion force: 900gms for 8 contacts

Retention strength: 7.7kgs between jack and plug

Durability: 750 cycles contact resistance test check

# Copper Ethernet Products
# Cat 6 4 Pair Cable



## FEATURES

- 305 Metre reel in a box
- Cable colour: Blue, Green, Grey, Orange, Purple, Yellow & special order colours available.
- Premium quality PVC Jacket Material and HPDE insulation compound
- Comply with latest Australian standards AS/CA S008:2010 + A1:2014
  (Test report No.: 0813TEL_ LAN5ESLD-LAND6SLD_S08)
- ETL Verified to ANTI/TIA-568-C.2 Category 6
  (CERT.No.:3178930CRT-002m)
- Reach and RoHS compliance
- Production under UL follow-up inspection procedure

## TRANSMISSION PERFORMANCE

| | |
|---|---|
| Impedance | 100±15 ohms(1~100MHz) |
| | 100±22 ohms(101~200MHz) |
| | 100±32 ohms(201~250MHz) |
| Propagation delay skew | 45ns/100m |

## ITEM

| | | |
|---|---|---|
| Conductor | Material Anneal bare copper | |
| | Construction 1/0.57+/-0.01 | |
| Insulation | Material | HDPE |
| | Thickness | 0.21+/-0.005 |
| | Diameter | 0.99+/-0.02 |
| Jacket | Material | PVC |
| | Thickness | 0.58+/-0.05 |
| | Diameter | 6.1+/-0.3 |

## SPECIFICATION

| Freq(MHz) | Att.(dB/100m) | NEXT(dB/100m) | PSNEXT(dB/100m) | ACRF(dB/100m) | PSACRF(dB/100m) | RL(dB/100m) | DELAYns/100m |
|---|---|---|---|---|---|---|---|
| 1 | 2.0 | 74.3 | 72.3 | 67.8 | 64.8 | 20.0 | 570.0 |
| 4 | 3.8 | 65.3 | 63.3 | 55.8 | 52.8 | 23.0 | 552.0 |
| 8 | 5.3 | 60.8 | 58.8 | 49.7 | 46.7 | 24.5 | 546.7 |
| 10 | 6.0 | 59.3 | 57.3 | 47.8 | 44.8 | 25.0 | 545.4 |
| 16 | 7.6 | 56.2 | 54.2 | 43.7 | 40.7 | 25.0 | 543.0 |
| 20 | 8.5 | 54.8 | 52.8 | 41.8 | 38.8 | 25.0 | 542.0 |
| 25 | 9.5 | 53.3 | 51.3 | 39.8 | 36.8 | 24.3 | 541.2 |
| 31.25 | 10.7 | 51.9 | 49.9 | 37.9 | 34.9 | 23.6 | 540.4 |
| 62.5 | 15.4 | 47.4 | 45.4 | 31.9 | 28.9 | 21.5 | 538.6 |
| 100 | 19.8 | 44.3 | 42.3 | 27.8 | 24.8 | 20.1 | 537.6 |
| 200 | 29.0 | 39.8 | 37.8 | 21.8 | 18.8 | 18.0 | 536.5 |
| 250 | 32.8 | 38.3 | 36.3 | 19.8 | 16.8 | 17.3 | 536.3 |

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