

# Category 6<sub>A</sub> Solutions



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# Category 6<sub>A</sub> Solutions

## Introduction

### Speed, Performance and Reliability

ADC KRONE's Category 6<sub>A</sub> system was the world's first UTP structured cabling system with the necessary characteristics to enable 10Gbps Ethernet transmission over a full 100 metres. The TrueNet® Category 6<sub>A</sub> solution meets the industry's most stringent requirements including IEEE 802.3an, TIA 568B.2 and ISO/IEC Class E.

This end-to-end system features patent-pending design elements that minimise alien crosstalk and insertion loss. Including the patent-pending oblique elliptical offset filler in the cable which comprises all the necessary characteristics to enable 10 Gigabit Ethernet transmission over twisted pair cabling for structured cabling systems.

The TrueNet® Category 6<sub>A</sub> Module is the world's first cross-connect module with a disconnect feature, making it the ideal product for a Patch-by-Exception solution. Patch-by-Exception, unique to ADC KRONE, reduces costs by utilising offcuts of the horizontal cabling to hard wire the cross-connect. The patch cords are then used as the exception to make changes only.

The TrueNet® Category 6<sub>A</sub> Patch Panel has a modular design, featuring outlets that are offset and staggered to counter the negative effects of alien crosstalk; critical for 10 Gigabit Ethernet performance.

While market expectations grow with emerging technologies, reliability is paramount. ADC KRONE's global R&D centres in the United States, Great Britain, Germany and Australia leverage its vast and experienced resources to ensure maximum performance. It is this commitment to innovation and achievement that has allowed ADC KRONE to develop this UTP cabling system that has the characteristics to achieve truly revolutionary results.

# Category 6<sub>A</sub> Solutions

## Cable

### UTP Cable

ADC KRONE's Category 6<sub>A</sub> 4-pair UTP copper cable is the foundation of ADC KRONE's 10 Gigabit Ethernet capable structured cabling solution. This cable guarantees Category 6<sub>A</sub> performance ensuring maximum network speed, data throughput and reliability. Installed in high performance networks worldwide, the system's patent-pending design minimises alien crosstalk and insertion loss and meets the performance requirements of IEEE 802.3an, ISO/IEC 11801 and TIA 568-C.2.Cable (4-pair UTP).



UTP Cable

#### Ordering Information

Description	Quantity	Colour	Product No.
<b>4-pair UTP Cable</b>	305m Reel	Grey	10G-A6TR-GYM2
4-pair UTP Cable	305m Reel	Blue	10G-A6TR-BLM2
4-pair UTP Cable, LSZH	305m Reel	Blue	10G-A6TZ1-BLM2

### S/FTP Horizontal Cable

ADC KRONE Category 6<sub>A</sub> S/FTP 600/AWG23 4-pair cable is designed for applications up to 600 MHz and its connection properties exceed Category 7 specifications ISO/IEC 11801. Every pair is separately shielded - pairs in metal foil (PIMF). The twisted pairs are covered with a braided screen (S/FTP) which guarantees outstanding shielding properties.



S/FTP Horizontal Cable

#### Ordering Information

Description	Quantity	Colour	Product No.
<b>S/FTP Shielded Cable</b>	1000m Reel	Orange	7053 3 762-55

# Category 6A Solutions

## Patch Panels

### 24-port Patch Panel

The Category 6A 1RU 24-port Patch Panel is designed to optimise performance to allow 10 Gigabit transmission. The modular design features outlets that are offset and staggered to counter the negative effects of alien crosstalk; critical for 10 Gigabit Ethernet performance. The panel also features a unique fully-moulded polymer design that further reduces alien crosstalk when compared with traditional panels that have metal frames. Rear cable manager bar included to suit channel frames.



24-port Patch Panel

#### Ordering Information

Description	Quantity	Product No.
<b>24-port Patch Panel</b> Consists of (1) 24-port unloaded panel, (24) Category 6A Keystone RJ45 outlets and (24) port labels.	Box of 1	TPNP-24NC10-BK-A
<b>Cable Management Bracket</b> Used as a stand-off for the rear cable manager.	Box of 1	TPNP-NNC10-WM-BKT

### Dynamic Angled Right/Left Patch Panel

Dynamic Angled Patch Panels take the next leap in angling solutions for the data centre and LAN environment while meeting all of the requirements for Category 6A.

Available in a 1RU 24-port and 2RU 48-port patch panel solution which includes multiple labelling options that allow for use of adhesive, paper label and ID tabs.



Dynamic Angled Right/Left Patch Panel

#### Ordering Information

Description	Quantity	Product No.
<b>24-port Dynamic Angled Right/Left Patch Panel</b> Consists of (1) 24-port dynamic angled panel, (24) Category 6A RJ45 outlets	Box of 1	PP24AC6AT-A
<b>48-port Dynamic Angled Right/Left Patch Panel</b> Consists of (2) 24-port dynamic angled panel, (48) Category 6A RJ45 outlets	Box of 1	PP48AC6AT-A

# Category 6<sub>A</sub> Solutions

## Patch Panels

### 24-port Angled Patch Panel with Cable Minder

The Angled Patch Panel optimises 10 Gb/s transmission performance with offset outlet positioning to counter the negative effects of alien crosstalk. The angled port design improves all aspects in managing horizontal cable and patch cables while improving density when used with Glide Cable Management. It also makes modifications easy, avoids unintended disconnects and cable damage, and protects bend radius to avoid violations that result in signal degradation.

An integral part of ADC KRONE's TrueNet® Structured Cabling System, this is the world's first UTP structured cabling system to enable 10 Gigabit Ethernet over a full 100 metres. Installed in high performance networks worldwide, the system's patent-pending design minimises alien cross talk and insertion loss and meets the performance requirements of IEEE 802.3an and TIA 568-C.2 standards.

Cable management included.



24-port Angled Patch Panel



Cable Management Bracket

#### Ordering Information

Description	Quantity	Product No.
<b>24-port Angled Patch Panel</b> Consists of (1) 24-port angled panel, (24) Category 6 <sub>A</sub> RJ45 outlets and (1) cable manager.	Box of 1	TPNP-24APC10-BK-A
<b>Cable Management Bracket</b> Used as a stand-off for the rear cable manager.	Box of 1	TPNP-NNC10-WM-BKT

### 48-port Patch Panel

The Category 6<sub>A</sub> 1RU 48-port Plug-and-Play patch panel provides high density 10 Gigabit performance for highly compact data centre solutions. It is installed using ADC KRONE's Right Angle Outlets and rear cable manager.



48-port Patch Panel (1RU)

#### Ordering Information

Description	Quantity	Product No.
<b>48-port Patch Panel, 1RU</b> Consists of (1) 48-port panel and (1) cable manager	Box of 1	PP48PNPCT-A
<i>Installed with</i>		
<b>RJ45 Compact Unshielded Right Angled Outlet, White</b>	Bag of 1	ADCJF6A01
<b>RJ45 Compact Unshielded Right Angled Outlet, Black</b>	Bag of 1	ADCJF6A04
<b>RJ45 Compact Shielded Right Angled Outlet, White</b>	Bag of 1	ADCJFS6A01
<b>RJ45 Compact Shielded Right Angled Outlet, Black</b>	Bag of 1	ADCJFS6A04

# Category 6<sub>A</sub> Solutions

## Patch Panels

### Shielded Patch Panel

The modular Category 6<sub>A</sub> panel utilises the high performing S/FTP Keystone RJ45. Rear Cable Management included.



Shielded Patch Panel

#### Ordering Information

Description	Quantity	Product No.
S/FTP 24-port Patch Panel	Box of 1	7022 1 155-24

### High Density Consolidation Point Kit

The high density consolidation point is intended for locations where the standard wall-mount HighBand® consolidation points are not feasible. Its also an ideal under-floor option.

RJ45 system leads are used to connect the CP (consolidation point) to the TO (telecommunications outlet).

The metal cover prevents accumulation of foreign material on the IDC terminations.



High Density Consolidation Point Kit

#### Ordering Information

Description	Quantity	Product No.
<b>High Density Consolidation Point Kit</b> Consists of (1) metal base, (1) lid with label holder, (1) cable manager and assembly screws.	Kit	6450 1 105-20
<b>Rear Cable Manager (1)</b>	Box of 1	6450 1 105-22

### HighBand® Solution

ADC KRONE's HighBand® cross connect solution allows for maximum network throughput beyond ten Gigabit. It is the platform needed for the most advanced networks.

The HighBand® solution consists of high performance disconnection modules, user friendly cable management and innovative anti-snag patch cords. It is the ideal cabling solution for companies that are conscious of efficiency, guaranteed performance and appealing aesthetics.

Modules can be either patched or jumpered and used in a Patch-by-Exception structured cabling solution. Patch-by-Exception solutions offer material, installation and operational cost savings over traditional RJ45 products. In all newly installed PBE systems there are no patch cords or jumper cables visible to the front. The system is totally hard wired from network equipment to work area, providing a secure, reliable, high performance infrastructure from switch to work area, or PABX to telephone.

HighBand® utilises the silver plated, world renowned LSA-PLUS® contact principle. This technology has become the industry standard in over 140 countries. The gas tight contacts ensure a reliable and long lasting connection. The frequent moves, adds and changes that occur in today's cabling systems can quickly degrade the quality of wire termination. ADC KRONE products maintain superior connectivity during hundreds of re-terminations and deliver the best electrical performance in the industry.

#### Features and Benefits

- Unrivalled maximum headroom above Category 6A standards
- The world's only Category 6A disconnect module providing unique Patch-by-Exception functionality and improved administration
- Modules can be jumpered or patched (or both)
- A test port provides "look-both-ways" testing capability without the removal of any wires; also allows simple circuit monitoring through use of a test cord
- Integrates easily with all of ADC KRONE's solutions
- Silver plated LSA-PLUS® contacts made from superior spring copper alloy
- Upper and lower shell mouldings made from high quality PBT plastic
- Available as individual components or in complete systems, consisting of unique disconnect modules, cable managers, covers, patch cords, mounting frames and label holders



### Module Specifications

#### MECHANICAL

<b>Wire Range for Solid and Stranded Copper Conductors:</b>	0.4mm to 0.65mm (26 to 22 AWG)*
<b>Wire Insulation Diameter Range (PE,PVC):</b>	0.7mm to 1.4mm
<b>Number of Wire Terminations:</b>	≥200
<b>Wire Insertion Force (0.5mm conductor dia):</b>	6N
<b>Wire Pull Out Force, Radial (0.5mm conductor dia):</b>	≥5N
<b>Wire Pull Out Force, Axial (0.5mm conductor dia):</b>	≥35N
<b>Number of Patching Cycles:</b>	750

\*A maximum of 2 equal diameter solid conductors only, of up to 0.5mm conductor diameter can be terminated per slot. Only 1 conductor of stranded wires per slot can be terminated. If any conductors >0.5mm diameter have been terminated, reversal to smaller conductors is no longer possible.

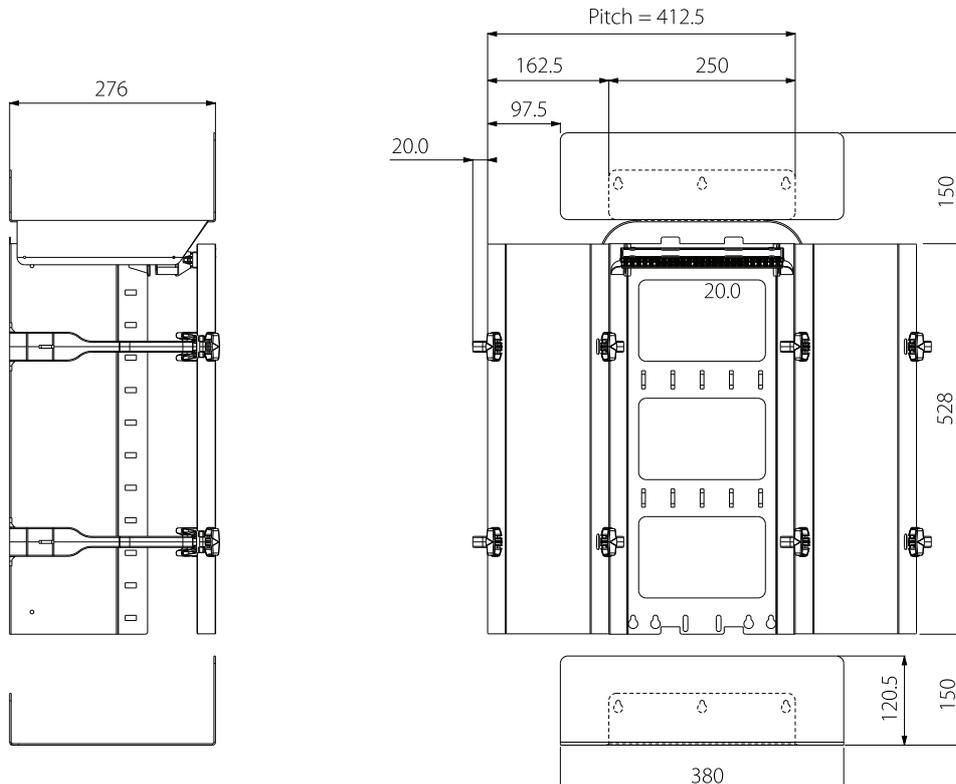
#### ELECTRICAL

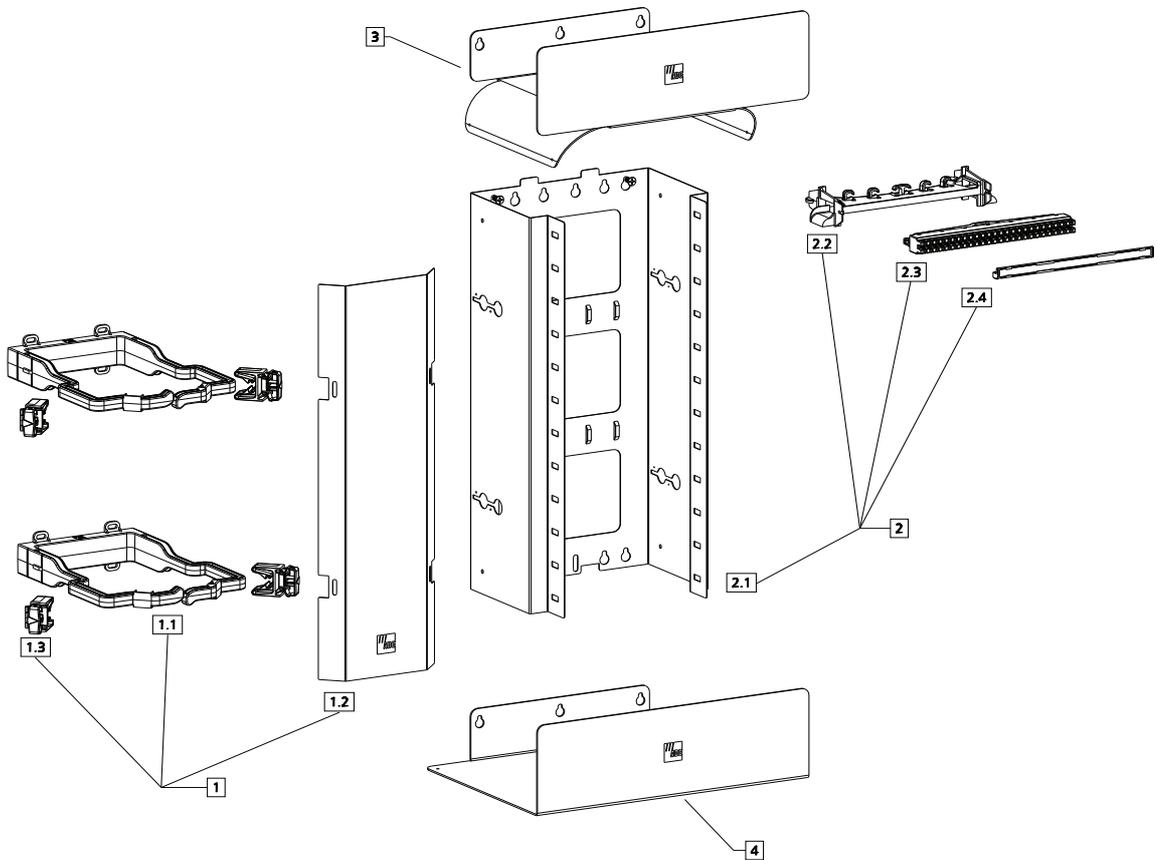
<b>Transmission, Performance and Reliability:</b>	Exceeds ISO/IEC 11801 AS/NZS 3080 TIA/EIA 568-B
<b>Voltage Rating:</b>	150 VAC
<b>Insulation Resistance:</b>	≥500,000 MΩ at 500 VDC

#### ENVIRONMENTAL AND SAFETY

<b>Safety Compliance:</b>	UL 1863
<b>Flammability Rating of Plastic Housing:</b>	UL 94 VO
<b>Environment for Use:</b>	Indoors or in dry enclosure rated IP54 or greater
<b>Operating Temperature Range:</b>	-40°C to +80°C
<b>Maximum Relative Humidity:</b>	≤93% non-condensing

Dimensions of an installed 20-pair system with dual and single cable management on either side.





KEY	
1	<b>Cable Management Kit</b> 1.1 Vertical Cable Manager (2) 1.2 Cover (1) 1.3 Bi-directional hinged clips (4)
2	<b>HighBand® Module Kit</b> 2.1 12-way wall mount Frame (1) 2.2 Rear Cable Manager (12) 2.3 HighBand Module (12) 2.4 Label Holder Kit (12)
3	<b>Cable Trough, top</b>
4	<b>Cable Trough, bottom</b>

# Category 6A Solutions

## Modules

### HighBand® 12-way Kit

The HighBand® Module allows for the termination of 4-pair UTP cables. HighBand® technology enables the highest performing Category 6A modules in the world with transmission performance headroom far exceeding all local and International standards.



6A HighBand 12-way Kit

#### Ordering Information

Description	Quantity	Product No.
<b>HighBand 12-way Kit</b> Consists of (1) wall mount frame, (12) 20-pair HighBand Category 6A modules including rear cable manager and (12) label holders.	Kit	6450 1 107-01

### HighBand® Consolidation Point Kit, 100-pair

For use in horizontal cabling as a high-density consolidation point, ideal for use inside a ceiling or false floor. The modules clip directly on to the specially designed metal backmount frame. The metal cover clips into place to protect the modules from dust and foreign particles.



HighBand Consolidation Point Kit  
100-pair

#### Ordering Information

Description	Quantity	Product No.
<b>HighBand Consolidation Point Kit, 100-pair</b> Consists of (5) 20-pair HighBand Category 6A modules, (5) label holders, (1) wall mount frame and (1) protective cover.	Kit	6450 1 105-21

# Category 6A Solutions

## Modules

### HighBand® 20-pair Module with rear cable manager

The 20-pair module is the world's highest performing cross-connect module. It is designed to suit 5 incoming and 5 outgoing 4-pair Category 6A cables. Each IDC slot is colour coded to allow for accurate termination of each of the 4 pairs. The module utilises a disconnect feature making it ideal for Patch-by-Exception installations and can also be patched as a traditional cross-connect. The cable manager at the rear of the module ensures that cables are held in place securely without the need for Velcro ties.



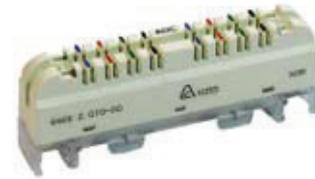
HighBand 20-pair Module with rear cable manager

#### Ordering Information

Description	Quantity	Product No.
HighBand 20-pair Module with rear cable manager	Box of 12	6468 5 700-10

### 8-pair Module

Used to terminate two 4-pair cables, these modules provide the highest performing method of cross-connect of any product on the market.



8-pair Module

#### Ordering Information

Description	Quantity	Product No.
8-pair Module	Box of 10	6468 5 070-00
Hinged Label Holder	Each	6036 2 005-02

# Category 6A Solutions

## Wall Mount Cable Management

### HighBand® Cable Management

The cable management rings control vertical cable management between frames, ensuring that cables do not interfere when adds, moves and changes occur. The dual cable manager is ideal for high density or heavily patched installations and provides a neat, clean finish to the HighBand® system. The single cable manager is best suited to either the start or finish of the system.

Cable troughs mounted on the top and bottom of each frame ensure superior patch cord management and correct bend radius between frames.



Vertical Management Cover



Cable Management Rings



Top Cable Trough



Bottom Cable Trough

#### Ordering Information

Description	Quantity	Product No.
<b>HighBand 12-way Cable Management Kit</b> Includes (2) cable management rings and (1) cover	Kit	6450 1 103-10
<b>HighBand 36-way Cable Management Kit</b> Includes (6) cable management rings and (3) covers	Kit	6450 1 104-10
<b>Cable Management Rings</b>	Bag of 2	6450 2 156-20
<b>HighBand Cover</b>	Box of 1	6450 2 158-20
<b>HighBand Cable Trough, Top</b>	Box of 1	6450 2 157-10
<b>HighBand Cable Trough, bottom</b>	Box of 1	6450 2 157-20

# Category 6A Solutions

## Patch Cords

### HighBand® Patch Cords

These patch cords are used for patching all four pairs between Category 6A modules. Spring loaded shutter protects the contacts when not in use.

These patch cords can be used in ADC KRONE's HighBand® Patch-by-Exception solutions to break the original circuit and patch to a new location.



Rear Facing Patch Cord



Front Facing Patch Cord

#### Ordering Information

Description	Quantity	Length	Colour	Product No.
<b>4-pair Rear Facing to RJ45 Patch Cord</b>	Bag of 1	1.2m	Blue	6451 2 400C-10
4-pair Rear Facing to RJ45 Patch Cord	Bag of 1	2.1m	Blue	6451 2 400C-20
4-pair Rear Facing to RJ45 Patch Cord	Bag of 1	3.0m	Blue	6451 2 400C-30
4-pair Rear Facing to RJ45 Patch Cord	Bag of 1	4.5m	Blue	6451 2 400C-40
<b>4-pair Rear Facing Patch Cord</b>	Bag of 1	1.2m	Blue	6451 2 401C-10
4-pair Rear Facing Patch Cord	Bag of 1	2.1m	Blue	6451 2 401C-20
4-pair Rear Facing Patch Cord	Bag of 1	3.0m	Blue	6451 2 401C-30
4-pair Rear Facing Patch Cord	Bag of 1	4.5m	Blue	6451 2 401C-40
<b>4-pair Front Facing Patch Cord</b>	Bag of 1	1.2m	Blue	6451 2 403C-10
4-pair Front Facing Patch Cord	Bag of 1	2.1m	Blue	6451 2 403C-20
4-pair Front Facing Patch Cord	Bag of 1	3.0m	Blue	6451 2 403C-30
4-pair Front Facing Patch Cord	Bag of 1	4.5m	Blue	6451 2 403C-40
<b>4-pair Front Facing to RJ45 Patch Cord</b>	Bag of 1	1.2m	Blue	6451 2 404C-10
4-pair Front Facing to RJ45 Patch Cord	Bag of 1	2.1m	Blue	6451 2 404C-20
4-pair Front Facing to RJ45 Patch Cord	Bag of 1	3.0m	Blue	6451 2 404C-30
4-pair Front Facing to RJ45 Patch Cord	Bag of 1	4.5m	Blue	6451 2 404C-40

### System Leads RJ45

These system leads come supplied with an RJ45 plug on each end wired to T568A. The assembly is cut into two to make two system leads. The RJ45 is plugged or patched into patch panels or network switches and the other end is directly terminated (using a 110 termination tool) onto a module or socket IDC.



System Leads RJ45

#### Ordering Information

Description	Quantity	Length	Colour	Product No.
<b>System Leads RJ45</b>	Bag of 1	10m	Blue	6451 2 699-10
System Leads RJ45	Bag of 1	20m	Blue	6451 2 699-20
System Leads RJ45	Bag of 1	30m	Blue	6451 2 699-30
System Leads RJ45	Bag of 1	40m	Blue	6451 2 699-40
System Leads RJ45	Bag of 1	50m	Blue	6451 2 699-50

# Category 6<sub>A</sub> Solutions

## Patch Cords

### RJ45 to RJ45 Patch Cords

For patching between two RJ45 outlets in a Category 6<sub>A</sub> network.



RJ45 Patch Cord

#### Ordering Information

Description	Quantity	Length	Colour	Product No.
<b>Patch Cord, RJ45 to RJ45</b>	Bag of 1	1.2m	White	6645-2-800-04
Patch Cord, RJ45 to RJ45	Bag of 1	2.1m	White	6645-2-800-07
Patch Cord, RJ45 to RJ45	Bag of 1	3.0m	White	6645-2-800-10
Patch Cord, RJ45 to RJ45	Bag of 1	4.5m	White	6645-2-800-15
Patch Cord, RJ45 to RJ45	Bag of 1	7.5m	White	6645-2-800-25
Patch Cord, RJ45 to RJ45	Bag of 1	15m	White	6645-2-800-50
Patch Cord, RJ45 to RJ45	Bag of 1	1.2m	Red	6645-2-810-04
Patch Cord, RJ45 to RJ45	Bag of 1	2.1m	Red	6645-2-810-07
Patch Cord, RJ45 to RJ45	Bag of 1	3.0m	Red	6645-2-810-10
Patch Cord, RJ45 to RJ45	Bag of 1	4.5m	Red	6645-2-810-15
Patch Cord, RJ45 to RJ45	Bag of 1	7.5m	Red	6645-2-810-25
Patch Cord, RJ45 to RJ45	Bag of 1	15m	Red	6645-2-810-50
Patch Cord, RJ45 to RJ45	Bag of 1	1.2m	Blue	6645-2-820-04
Patch Cord, RJ45 to RJ45	Bag of 1	2.1m	Blue	6645-2-820-07
Patch Cord, RJ45 to RJ45	Bag of 1	3.0m	Blue	6645-2-820-10
Patch Cord, RJ45 to RJ45	Bag of 1	4.5m	Blue	6645-2-820-15
Patch Cord, RJ45 to RJ45	Bag of 1	7.5m	Blue	6645-2-820-25
Patch Cord, RJ45 to RJ45	Bag of 1	15m	Blue	6645-2-820-50
Patch Cord, RJ45 to RJ45	Bag of 1	1.2m	Yellow	6645-2-830-04
Patch Cord, RJ45 to RJ45	Bag of 1	2.1m	Yellow	6645-2-830-07
Patch Cord, RJ45 to RJ45	Bag of 1	3.0m	Yellow	6645-2-830-10
Patch Cord, RJ45 to RJ45	Bag of 1	4.5m	Yellow	6645-2-830-15
Patch Cord, RJ45 to RJ45	Bag of 1	7.5m	Yellow	6645-2-830-25
Patch Cord, RJ45 to RJ45	Bag of 1	15m	Yellow	6645-2-830-50
Patch Cord, RJ45 to RJ45	Bag of 1	1.2m	Green	6645-2-840-04
Patch Cord, RJ45 to RJ45	Bag of 1	2.1m	Green	6645-2-840-07
Patch Cord, RJ45 to RJ45	Bag of 1	3.0m	Green	6645-2-840-10
Patch Cord, RJ45 to RJ45	Bag of 1	4.5m	Green	6645-2-840-15
Patch Cord, RJ45 to RJ45	Bag of 1	7.5m	Green	6645-2-840-25
Patch Cord, RJ45 to RJ45	Bag of 1	15m	Green	6645-2-840-50
Patch Cord, RJ45 to RJ45	Bag of 1	1.2m	Grey	6645-2-860-04
Patch Cord, RJ45 to RJ45	Bag of 1	2.1m	Grey	6645-2-860-07
Patch Cord, RJ45 to RJ45	Bag of 1	3.0m	Grey	6645-2-860-10
Patch Cord, RJ45 to RJ45	Bag of 1	4.5m	Grey	6645-2-860-15
Patch Cord, RJ45 to RJ45	Bag of 1	7.5m	Grey	6645-2-860-25
Patch Cord, RJ45 to RJ45	Bag of 1	15m	Grey	6645-2-860-50

# Category 6<sub>A</sub> Solutions

## Patch Cords

### Patch Cords, LSZH UTP

Designed for patching between two RJ45 outlets in a Category 6<sub>A</sub> network. Copper conductors used are stranded and compacted to a near-round shape for optimal signal strength. Made from Low Smoke, Zero Halogen (LSZH) material.



Patch Cords, LSZH UTP

#### Ordering Information

Description	Quantity	Length	Colour	Product No.
<b>Patch Cord, RJ45 LSZH UTP</b>	Bag of 1	1.2m	Blue	6645-2-822-04
Patch Cord, RJ45 LSZH UTP	Bag of 1	2.1m	Blue	6645-2-822-07
Patch Cord, RJ45 LSZH UTP	Bag of 1	3.0m	Blue	6645-2-822-10
Patch Cord, RJ45 LSZH UTP	Bag of 1	4.5m	Blue	6645-2-822-15
Patch Cord, RJ45 LSZH UTP	Bag of 1	7.5m	Blue	6645-2-822-25
Patch Cord, RJ45 LSZH UTP	Bag of 1	15m	Blue	6645-2-822-50

### LSZH S/FTP Patch Cords

The high performance plug is designed with an integrated strain relief boot that prevents the cable from moving at the termination point when the cable is flexed. The copper conductors held within the cable pairs are stranded for superior flexibility and are compacted for optimum signal strength.



LSZH S/FTP Patch Cords

#### Ordering Information

Description	Quantity	Length	Colour	Product No.
<b>Patch Cord, RJ45 LSZH S/FTP</b>	Bag of 1	1.0m	Blue	6830 2 881-04
Patch Cord, RJ45 LSZH S/FTP	Bag of 1	2.0m	Blue	6830 2 881-07
Patch Cord, RJ45 LSZH S/FTP	Bag of 1	3.0m	Blue	6830 2 881-10
Patch Cord, RJ45 LSZH S/FTP	Bag of 1	5.0m	Blue	6830 2 881-15
Patch Cord, RJ45 LSZH S/FTP	Bag of 1	7.5m	Blue	6830 2 881-25

# Category 6<sub>A</sub> Solutions

## Outlets

### FMK Outlet

These FMK outlets clip directly into Clipsal/HPM style faceplates. The modular outlet features LSA-PLUS® silver-plated 45° angled contacts for the most secure and reliable connection available.



FMK Outlet

#### Ordering Information

Description	Quantity	Colour	Product No.
<b>FMK Outlet</b>	Bag of 10	White	6467 4 272-00
FMK Outlet	Bag of 10	Black	6467 4 272-10

### FMK Shuttered Outlet

The Category 6<sub>A</sub> Shuttered Outlet is designed for high speed transmission of voice and data services. The shutter has a unique bi-directional action to open, thereby preventing damage to contacts by foreign objects.



FMK Shuttered Outlet

#### Ordering Information

Description	Quantity	Colour	Product No.
<b>FMK Shuttered Outlet</b>	Bag of 10	White	6467 4 272C-00
FMK Shuttered Outlet	Bag of 10	Black	6467 4 272C-10

### UTP Keystone Outlet

These Keystone mount outlets clip directly into Keystone style faceplates or can be used with our Clipsal/HPM mounting adaptors. The modular outlet features LSA-PLUS® silver-plated 45° angled contacts for the most secure and reliable connection available.



UTP Keystone Outlet

#### Ordering Information

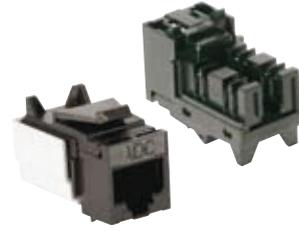
Description	Quantity	Colour	Product No.
<b>Keystone Outlet</b>	Bag of 10	White	6830 5 835-01
Keystone Outlet	Bag of 10	Black	6830 5 835-04
Keystone Outlet	Bag of 10	Red	6830 5 835-05
Keystone Outlet	Bag of 10	Yellow	6830 5 835-08

# Category 6A Solutions

## Outlets

### RJ45 Compact Right Angled Outlet

The Right Angled Outlet can be used in a data centre, communications closet and workstation environment for 10 Gigabit performance. Installed in high-performance networks worldwide, the system's unique design minimises alien crosstalk and insertion loss.



RJ45 Compact Right Angled Outlet

#### Ordering Information

Description	Quantity	Colour	Product No.
<b>RJ45 Compact Unshielded Right Angled Outlet</b>	Bag of 1	White	ADCJF6A01
RJ45 Compact Unshielded Right Angled Outlet	Bag of 1	Black	ADCJF6A04

*For use in the 48-port 1RU Patch Panel, PP48PNPCT-A*

### RJ45 Compact Right Angled Outlet, Shielded

The Right Angled Outlet can be used in a data centre, communications closet and workstation environment for 10 Gigabit performance. Installed in high-performance networks worldwide, the system's unique design minimises alien crosstalk and insertion loss.



RJ45 Compact Right Angled Outlet

#### Ordering Information

Description	Quantity	Colour	Product No.
<b>RJ45 Compact Shielded Right Angled Outlet</b>	Bag of 1	White	ADCJFS6A01
RJ45 Compact Shielded Right Angled Outlet	Bag of 1	Black	ADCJFS6A04

### Shielded Keystone Outlet

This shielded outlet is utilised at the work area and within the patch panel. Because it is shielded, there are no alien crosstalk issues.



Shielded Keystone Outlet

#### Ordering Information

Description	Quantity	Colour	Product No.
<b>Shielded Keystone Outlet</b>	Pack of 1	White	6830 1 811-01
Shielded Keystone Outlet	Pack of 1	Black	6830 1 811-04

# Category 6<sub>A</sub> Solutions

## Work Area

### 3-port Angled Faceplate

The unique three-port design supports 10 Gigabit Ethernet performance. Accepts Keystone sockets. Angled to provide added protection for outlets and patch cords



3-port Angled Faceplate

#### Ordering Information

Description	Quantity	Product No.
<b>3-port Angled Faceplate, vertical</b>	Box of 10	6467 1 119-01
3-port Angled Faceplate, horizontal	Box of 10	6467 1 119-00

### 4-port Staggered Faceplate

The unique staggered four-port design supports 10 Gigabit Ethernet performance by countering the negative effects of alien crosstalk. Accepts Keystone sockets.



4-port Staggered Faceplate

#### Ordering Information

Description	Quantity	Product No.
<b>4-port Staggered Faceplate</b>	Box of 1	TNSCSFPO4-WT

### 6-port Surface Mount Box

The unique six-port design supports 10 Gigabit Ethernet performance by countering the negative effects of alien crosstalk. Accepts Keystone sockets.



6-port Surface Mount Box

#### Ordering Information

Description	Quantity	Product No.
<b>6-port Surface Mount Box</b> Includes: (2) blank paper labels, (2) clear plastic protectors, (1) logo insert, (6) reversible ID tabs numbered 1–6 (ID tabs match faceplate colour), (1) hook-and-loop fastener strip, (1) millie-tie for cable management, (2) mounting screws.	Box of 1	TNSCSSB6-WT

# Category 6A Solutions

## Work Area

### Flush Mount Faceplates

These accept the Category 6A Keystone Outlets. The unique rotational adaptor allows for the faceplates to be mounted horizontally or vertically.



Flush Mount Plate Dual



Flush Mount Plate Single

#### Ordering Information

Description	Quantity	Colour	Product No.
<b>Flush Mount Plate Single</b>	Bag of 10	White	6467 1 108-00
Flush Mount Plate Dual	Bag of 10	White	6467 1 110-00

### Clipsal / HPM Adaptors

Used to mount any Keystone Outlet into HPM and Clipsal Faceplates.



Clipsal / HPM Mounting Adaptor

#### Ordering Information

Description	Quantity	Colour	Product No.
<b>Clipsal / HPM Mounting Adaptor</b>	Bag of 10	Black	6467 1 116-00
Clipsal / HPM Mounting Adaptor	Bag of 10	White	6467 1 116-02
Clipsal / HPM Mounting Adaptor	Bag of 10	Red	6467 1 116-03
Clipsal / HPM Mounting Adaptor	Bag of 10	Blue	6467 1 116-04

# Category 6A Solutions

## Work Area

### MiniPod

MiniPods are designed to help simplify the cabling of raised floor spaces and are also ideal for high density environments, such as desk clusters, call centres and dealer desks.

The MiniPod is designed to be terminated at an early stage in the building works and then left below the raised floor until the floor penetration and furniture is in place.



MiniPod

#### Ordering Information

Description	Quantity	Colour	Product No.
6-port MiniPod	Each	Black	6540 1 679-06