

Actassi Category 6A RJ45 UTP/FTP

Product Overview Catalogue

CLIPSAL[®]

by **Schneider Electric**

**Your Complete
Actassi 6A Solution**

clipsal.com

D A T A C O M M S

Actassi™ Category 6A RJ45 UTP/FTP

Overview

Established in 1920, Clipsal by Schneider Electric is Australia's number one brand of electrical products, accessories and solutions. Throughout our history, Clipsal has evolved and grown with great success by supporting our local economy, and providing products manufactured at multiple sites across Australia. In our role as an industry leader, Clipsal is dedicated to supplying you with the most innovative and sustainable electrical solutions available. As part of Schneider Electric, the largest global specialists in energy management, Clipsal provides a total electrical solution for any project or application.

Your Complete Actassi 6A Solution

As global data specialists, Clipsal offers Actassi – a comprehensive range of Cat. 3, 5e, 6, 6A, 7A and fibre optic structured cabling products. These are further supported by an extensive selection of cabinets and accessories to complete your end-to-end data solution.

Category 6A is the current benchmark for copper LAN cabling systems. With Clipsal's Actassi Category 6A solution, both UTP and FTP RJ45 solutions are offered, with the flexibility to provide solutions for any data installation.

Clipsal's Actassi 6A solutions are designed to support the 10G Base-T protocol over 90m of horizontal cabling, suitable for high-speed data transfers and high bandwidth. Considering these critical requirements, you can be assured of its performance, with every component having been designed and tested, ensuring alien crosstalk issues have been addressed. From commercial developments to educational facilities, Actassi provides a solid communications platform for all data requirements.

Category Classifications

The table below shows supported protocols, bandwidth, maximum transmission rates and recommended use for all categories.

	CAT. 3	CAT. 5e	CAT. 6	CAT. 6A	CAT. 7A
Class Classification	Class B	Class D	Class E	Class EA	Class FA
Supported Protocols	Analog, Voice, ISDN, 10BaseT	1000BaseT and lower	1000BaseTX and lower	10GBaseT and lower	40GBaseT and lower
Bandwidth	16MHz	100MHz	200MHz / 250MHz	500MHz	1,000MHz
Maximum Transmission Rate	10Mbps	1,000Mbps (Gigabit Ethernet)	1,000Mbps (Gigabit Ethernet)	10Gbps	40Gbps
Usability	Predominantly telephone distribution systems	Regular data and voice traffic	Higher data traffic (multimedia, streaming)	High data traffic, backbone distribution systems, SAN	High data traffic, backbone distribution systems, SAN

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Cable, 24-Port Patch Panels, Connectors, Keystone Connectors, Patch Cord



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Actassi Category 6A RJ45 Cable Management

Horizontal Cable Management (Deep), Side Rings



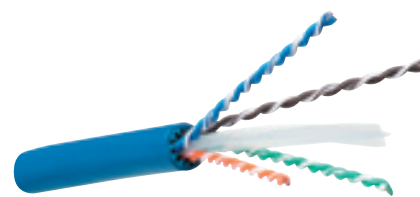
Category 6A RJ45 UTP

Cable

Clipsal Actassi 4-Pair Category 6A UTP Cable delivers excellent network performance, when used in conjunction with other Clipsal Actassi Category 6A UTP products.

The cable consists of four pairs of solid insulated copper 23 AWG (0.59mm) and is UL listed, with a CM fire rating (LSZH cable is available upon request). It is designed for use in horizontal cabling situations and supplied on a reel in 305m (1,000ft) lengths.

The cable provides a significant margin above the minimum Category 6A near end crosstalk (NEXT) requirement of TIA/EIA 568-B.3-1 and ISO/IEC 11801.



2D4P6AIPV3R-BU

Electrical Performance

Frequency (MHz)	Attenuation (DB/100m)	NEXT (DB)	PSNEXT (DB)	ELFEXT (DB/100m)	PSELFEXT (DB/100m)	RL	Delay	PSANEXT	PSAACRF
1	2.1	74.3	72.3	67.8	64.8	20.0	570	67.0	67.0
4	3.8	65.3	63.3	55.8	52.8	23.0	552	67.0	66.2
8	5.3	60.8	58.8	49.7	46.7	24.5	547	67.0	60.1
10	5.9	59.3	57.3	47.8	44.8	25.0	545	67.0	58.2
16	7.5	56.2	54.2	43.7	40.7	25.0	543	67.0	54.1
20	8.4	54.8	52.8	41.8	38.8	25.0	542	67.0	52.2
25	9.4	53.3	51.3	39.8	36.8	24.3	541	67.0	50.2
31.25	10.5	51.9	49.9	37.9	34.9	23.6	540	67.0	48.3
62.50	15.0	47.4	45.4	31.9	28.9	21.5	539	65.6	42.3
100	19.1	44.3	42.3	27.8	24.8	20.1	538	62.5	38.2
200	27.6	39.8	37.8	21.8	18.8	18.0	567	58.0	32.2
250	31.1	38.8	36.6	19.8	16.8	17.3	536	56.5	30.2
300	34.3	37.1	35.1	18.3	15.3	16.8	536	55.3	28.7
400	40.1	35.3	35.1	15.8	12.8	15.9	536	53.5	26.2
500	45.3	33.8	31.8	13.8	10.8	15.2	536	52.0	24.2

Catalogue No.	Description
2D4P6AIPV3R-BU	LAN Cable Category 6A UTP 4-Pair, 305m Reel (Blue Only)

Specifications

Rated Temperature	75°C
Product Standard Certification	UL File E197794
Flammability Test	CM
Application	Horizontal wiring in LAN
Reference Standard	EIA/TIA568 and ISO/IEC 11801, IEC61156-5
NVP	65%

Construction

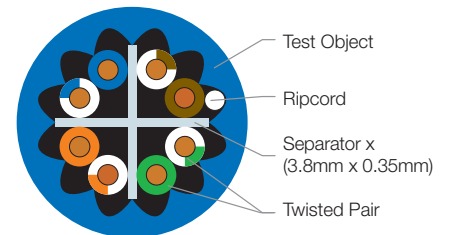
Conductor	Solid bare copper
AWG	23
Conductor Diameter Nom.	0.59mm
Insulation	PE
Average Thickness	0.27mm
Min. Point Thickness	0.18mm
Insulation Diameter	1.15 ±0.10mm
Filler	PE
Jacket	PVC
Ripcord	Yes
Outer Diameter	8.5mm

Electrical Characteristics

Characteristic Impedance	100 ± 15Ω
1.0-500.0MHz Delay Skew	≤45 s/100m
Pair-to-Ground Capacitance Unbalance	≤330 pF/100m
Max. Conductor d.c. Resistance 20°C	72Ω/km
d.c. Resistance Unbalanced	5%

Mechanical Characteristics

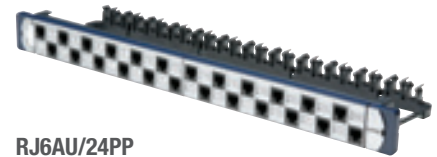
Test Object	Jacket
Test Material	PVC
Before Tensile Strength	≥1.05 kg/mm ²
Bend radius: Installed After Installed	75mm 40mm
Pulling Tension	110N (25lbf)
Storage Temp	-20°C to 75°C
Operating Temp	-20°C to 75°C
Installation Temp	0°C to 58°C



24-Port Patch Panel

The Clipsal Actassi 24-Port Patch Panel features individual Category 6A jacks that are colour coded for both 568A and 568B Standards. This patch panel is loaded with 24 keystone connectors.

This patch panel should be terminated using a 110 tool.



RJ6AU/24PP

Features

- Powder-coated metal framework.
- Universal colour coding for 568A and 568B Standards.
- Removable rear cable management tray.
- Compatible with standard 19 inch equipment frames.
- Individual removable keystone jacks.
- Staggered design to eliminate AXT.
- Clear and flexible labeling system, numbered and blank sheets provided.
- Additional label refill sheets can be purchased separately (RJ6AU/24PPLS).
Label printing software can be downloaded from clipsal.com/trade/downloads/software. This will enable you to print the labels onto the template.

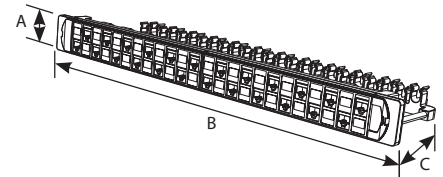
Benefits

- Complete with all mounting and cable fixing hardware.
- Rear cable management tray is supplied loose, allowing the installer to fit after termination.
- The front labelling system provides a clear and efficient means of identifying circuits.
- Powder-coated metal frame is robust and protects the patch panel from corrosion and scratching.
- Compliance with international standards gives the customer peace of mind that their network will perform to link and channel application requirements.

Catalogue No.	Description
RJ6AU/24PP	Patch Panel, 24-Port, Category 6A UTP, 568A/B
RJ6AU/24PPS	Patch Panel Shuttered, 24-Port, Category 6A UTP, 568A/B

Dimensions

Product	A	B	C
RJ6AU/24PP	44mm	482mm	124mm



Electrical Characteristics

Dielectric Strength	1,000V RMS at 60Hz for 1 minute
Current Rating	1.5A maximum
Insulation Resistance	200M Ω minimum
Contact Resistance	1M Ω per contact
Temperature Range	-40°C to 70°C
Transmission Performance	ISO/IEC 11801 Class EA AS/NZS 3080:2003 Class EA

Connector Characteristics

Modular Connector	
RJ45 8-Pin Connector	FCC part 68, subpart F and IEC-60603-7 compliant
Durability	750 insertion cycles
Material	Phosphor bronze with 50 microinches of gold over 100 microinches nickel plating
IDC Connector	
IDC Connector	Suitable insulation of 22 to 24/AWG (0.64 to 0.41mm)
Insulation Diameter (Wire)	0.70-1.40mm
Durability	10 insertions of any combination of wire gauge (2 wires per slot)
Connector Material	Phosphor bronze with nickel plating
IDC Body and Cover Material	Fire-retardant, UL 94V-0, plastic

Modular Connectors

These Clipsal Actassi Category 6A UTP Modular Connector's are colour coded for both 568A and 568B Standards. Clear wire retaining caps are supplied and should be used to provide additional cable strain relief.

This modular connector is designed to be terminated using a 110 tool.

Features

- Fully compliant to AS/NZS 3080, ISO/IEC 11801, and ANSI/TIA/EIA-568-C Series.
- Backward compatible with Category 5e and Category 6 products.
- Flexible locking tabs.
- UL 940-0 rated.
- Accepts solid 22 - 24/AWG diameter conductors.
- Retaining cap supplied for added cable strain relief.

Benefits

- Various colours for easier circuit identification.
- Can be used in Multi-User Telecommunication Outlet (MUTO) applications and Consolidation Points (CP).
- Clear insulation displacement connector caps allow for termination verification and assist in cable retention.

Modular



30RJ45SMA6A-XX

Shuttered Modular



30RJ45SMA6AS-XX

Catalogue No.	Description
30RJ45SMA6A-XX	Connector RJ45 Category 6A. Suits Clipsal wall plates.
30RJ45SMA6AS-XX	Connector RJ45 Category 6A Shuttered. Suits Clipsal wall plates.

For colour XX: White Electric (WE), Black (BK), Blue (BU), Cream (CM), Battleship Grey (GB), Red (RD), Green (GR), Soft Grey (SG) and Yellow (YL).

Dimensions

Product	A	B	C
30RJ45SMA6A	23mm	23mm	35mm
30RJ45SMA6AS	23mm	23mm	35mm

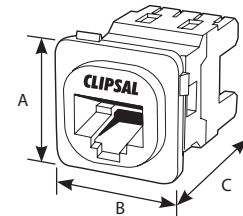
Electrical Characteristics

Dielectric Strength	1,000V RMS at 60Hz for 1 minute
Current Rating	1.5A maximum
Insulation Resistance	200M Ω minimum
Contact Resistance	1M Ω per contact
Temperature Range	-40°C to 70°C
Transmission Performance	ISO/IEC 11801 Class EA AS/NZS 3080:2003 Class EA

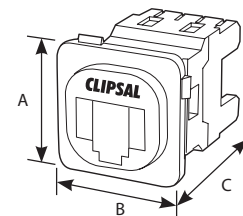
Mechanical Characteristics

Modular Connector	
RJ45 8-Pin Connector	FCC part 68, subpart F and IEC-60603-7 compliant
Durability	750 insertion cycles minimum
Material	Phosphor bronze with 50 microinches of gold over 100 microinches nickel plating
Format	30 mechanism non-shuttered
IDC Connector	
IDC Connector	Suitable insulation of 22 to 24 AWG (0.64 to 0.41mm)
Insulation Diameter (Wire)	0.70-1.60mm
Connector Material	Phosphor bronze with nickel plating
IDC Body and Cover Material	Fire-retardant UL 94V-0, plastic

Modular



Shuttered Modular



- IP22 rated.
- Prevents dust ingress.
- Protects against insect infestation.

AVAILABLE COLOURS

White (WE)	Cream (CM)	Green (GR)
Black (BK)	Battleship Grey (GB)	Soft Grey (SG)
Blue (BU)	Red (RD)	Yellow (YL)

Keystone Connectors

The Clipsal Actassi Category 6A UTP Keystone Connectors are a superior product, delivering the best network performance when used in conjunction with other Clipsal products in this range.

The range of products are the next generation of data communications solutions. These UTP modular connectors are colour-coded for both 568A and 568B Standards.

This keystone connector is designed to be terminated using a 110 tool.

Features

- Fully compliant to AS/NZS 3080, ISO/IEC 11801/, ANSI/TIA/EIA-568-C Series.
- Backward compatible with Category 5e and Category 6.
- UL 94V-0 rated.
- Accepts solid 22-24/AWG diameter conductors.
- Retaining cap supplied for added cable strain relief.

Benefits

- Various colours for easier circuit identification.
- Can be used in Multi-User Telecommunication Outlet (MUTO) applications and Consolidation Points (CP).
- Clear insulation displacement connector caps allow for termination verification and assist in cable retention.
- Suitable for use with the Actassi Category 6A UTP patch panel RJ6AU/24PP and RJ6AU/24PPS.

Keystone



RJ45SMA6A-XX

Shuttered Keystone



RJ45SMA6AS-XX

Catalogue No.	Description
RJ45SMA6A-XX	Connector RJ45 Category 6A Keystone
RJ45SMA6AS-XX	Connector RJ45 Category 6A Shuttered Keystone

For colour XX: White Electric (WE), Black (BK), Blue (BU), Red (RD), Green (GR), Soft Grey (SG) and Yellow (YL).

Dimensions

Product	A	B	C
RJ45SMA6A	23mm	15mm	36mm
RJ45SMA6AS	23mm	15mm	36mm

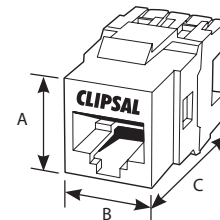
Electrical Characteristics

Dielectric Strength	1,000V RMS at 60Hz for 1 minute
Current Rating	1.5A maximum
Insulation Resistance	200M Ω minimum
Contact Resistance	1M Ω per contact
Temperature Range	-40°C to 70°C
Transmission Performance	ISO/IEC 11801 Class EA AS/NZS 3080:2003 Class EA

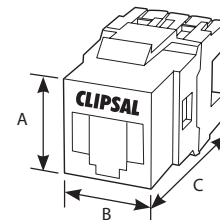
Mechanical Characteristics

RJ45 8-Pin Connector	FCC part 68, subpart F and IEC-60603-7 compliant
Durability	750 insertion cycles minimum
Material	Phosphor bronze with 50 microinches of gold over 100 microinches nickel plating
Format	Keystone non-shuttered
IDC Connector	Suitable insulation of 22 to 24/AWG (0.64 to 0.41mm)
Insulation Diameter (Wire)	0.70-1.60mm
Connector Material	Phosphor bronze with nickel plating
IDC Body and Cover Material	Fire-retardant UL 94V-0, plastic

Keystone



Shuttered Keystone



- IP22 rated.
- Prevents dust ingress.
- Protects against insect infestation.
- Patent shutter.

AVAILABLE COLOURS

 White (WE)	 Red (RD)
 Black (BK)	 Soft Grey (SG)
 Blue (BU)	 Yellow (YL)

Patch Cord

The Clipsal Actassi Category 6A Patch Cord is a superior product that delivers the best network performance when used in conjunction with other Clipsal Actassi Category 6A products.

The patch cord is constructed of high grade cable and quality RJ45 plugs, and is designed to operate up to 500MHz. This enables it to operate successfully in a Category 6A environment.

The patched solution uses a FTP patch cord to assist in mitigating alien crosstalk (AXT) concerns.

The LSZH sheath is composed of thermoplastic and thermoset compounds that limit emitted smoke and zero halogens (harmful gases), when exposed to high sources of heat or fire, and are PVC free.

The patch cord delivers excellent network performance and a "greener" peace of mind. More LSZH and RoHS products are being used as networks move toward a "greener" workplace and environment.



RJ6A8A10LPL-BU

Features

- Fully compliant to AS/NZS 3080, ISO/IEC 11801 and ANSI/TIA/EIA-568-C Series Channel and Link Standards.
- UL LSZH fire rated jacketing.
- PE insulation on conductors.
- Designed to mitigate AXT.

Benefits

- Performs to Category 6A International Standards.
- Comes in various lengths to assist with better cable management.
- Backward compatible with Category 5e and 6 products.
- Complies to LSZH requirements.

Catalogue No.	Description
RJ6AF8A10LPL-BU	Patch Cord Category 6A LSZH 568A 1.0m
RJ6AF8A20LPL-BU	Patch Cord Category 6A LSZH 568A 2.0m
RJ6AF8A30LPL-BU	Patch Cord Category 6A LSZH 568A 3.0m
RJ6AF8A50LPL-BU	Patch Cord Category 6A LSZH 568A 5.0m

Note: Colours available on request. Please contact Clipsal for more information.

Electrical Characteristics

Current Rating	2.0A maximum
Insulation	500M Ω minimum
Contact Resistance	20M Ω maximum

Mechanical Characteristics

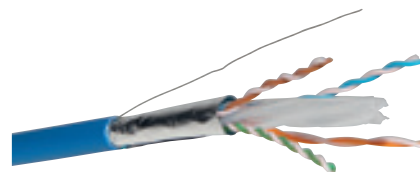
Gauge	26/AWG
Pair Count	4-Pair individually colour coded with filler and LSZH jacket
Sequence	Wiring sequence T568 A
Durability	750 mating cycles
RJ45 Plug	FCC Part 68 Subpart F
Plug Boot	LSZH
Contact Material	Phosphor bronze with 50 microinches gold over 100 microinches nickel

Cable

Clipsal Actassi 4-Pair Category 6A F/UTP Cable delivers excellent network performance when used in conjunction with Clipsal Actassi Category 6A FTP products.

The cable consists of four pairs of solid insulated copper 23 AWG (0.59mm) with an overall aluminium foil. With the sheath being LSZH classified it provides extra precautions against harmful emissions coming from the sheath in the event of a fire. It is designed for use in horizontal cabling, provides best immunity against external noise interference, and is supplied on a reel in 305m (1,000ft) lengths.

The cable provides a significant margin above the minimum Category 6A near end crosstalk (NEXT) requirement of TIA/EIA 568-B.3-1 and ISO/IEC 11801.



CPL2D4P6ALSF3R-BU

Electrical Performance

Frequency (MHz)	Attenuation (DB/100m)	NEXT (DB)	PSNEXT (DB)	ELFEXT (DB/100m)	PSELFEXT (DB/100m)	RL	Delay	PSANEXT	PSAACRF
1	2.1	74.3	72.3	67.8	64.8	20.0	570	67.0	67.0
4	3.8	65.3	63.3	55.8	52.8	23.0	552	67.0	66.2
8	5.3	60.8	58.8	49.7	46.7	24.5	547	67.0	60.1
10	5.9	59.3	57.3	47.8	44.8	25.0	545	67.0	58.2
16	7.5	56.2	54.2	43.7	40.7	25.0	543	67.0	54.1
20	8.4	54.8	52.8	41.8	38.8	25.0	542	67.0	52.2
25	9.4	53.3	51.3	39.8	36.8	24.3	541	67.0	50.2
31.25	10.5	51.9	49.9	37.9	34.9	23.6	540	67.0	48.3
62.50	15.0	47.4	45.4	31.9	28.9	21.5	539	65.6	42.3
100	19.1	44.3	42.3	27.8	24.8	20.1	538	62.5	38.2
200	27.6	39.8	37.8	21.8	18.8	18.0	567	58.0	32.2
250	31.1	38.8	36.6	19.8	16.8	17.3	536	56.5	30.2
300	34.3	37.1	35.1	18.3	15.3	16.8	536	55.3	28.7
400	40.1	35.3	35.1	15.8	12.8	15.9	536	53.5	26.2
500	45.3	33.8	31.8	13.8	10.8	15.2	536	52.0	24.2

Catalogue No.	Description
CPL2D4P6ALSF3R-BU	LAN Cable Category 6A F/UTP 4 Pair, 305m Reel (Blue only)

Specifications

Rated Temperature	75°C
Product Standard Certification	Delta File 2010-44
Flammability Test	LSZH DEL 60332-1
Application	Horizontal wiring in LAN
Reference Standard	IEC61156-5
NVP	67%

Construction

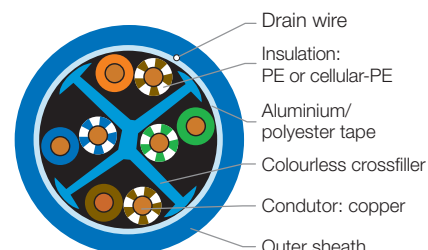
Conductor	Solid bare copper
AWG	23
Insulation	PE
Insulated Wire Diameter	1.15 ± 0.10mm
Filler	PE
Jacket	LSZH
Drain Wire	0.4mm
Outer Diameter	7.3mm
Overall Screen	Aluminium bonded poly tape

Electrical Characteristics

Characteristic Impedance	100 ± 5Ω
Delay Skew	≤45ns/100m
Propagation delay max @ 100MHz	≤536ns/100m
Max. Conductor d.c. Resistance 20°C	80Ohms/km

Mechanical Characteristics

Test Object	Jacket
Test Material	LSZH
Sheath Tensile Strength	≥9MPa
Bend radius: During Installation After Installed	80mm 40mm
Pulling Tension	110N (25lbf)
Storage Temp	-20°C to 50°C
Installation Temp	0°C to 50°C



24-Port Patch Panel

The 1RU 19 inch rack mountable Actassi FTP Category 6A Patch Panels, are specifically designed to meet the highest standards in both performance and functionality.

Each panel comes supplied with high performing keystone FTP connectors, that feature time saving tool-less termination and a quick snap-in design for mounting into the patch panel.

The 6A FTP straight panel provides you with the signature Actassi look and feel, providing all the benefits of the Actassi range of patch panels.

The newly introduced angled Category 6A FTP panel provides you with the option of facilitating more with less. With the angle directing outwards to vertical management you can avoid using horizontal management allowing more rack units for your horizontal cabling.

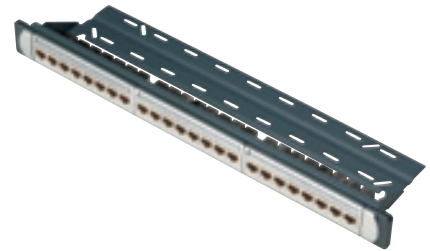
All FTP patch panels come with the tried and trusted Clipsal features that the market expects from premium products. These include the use of high quality materials in manufacturing, integrated port labelling, full accompaniment of hardware and ties, plus an industry leading lifetime warranty program that provides unparalleled peace of mind for the installer and end user.

Features

- Nickel-plated and powder-coated frame with Earthing point.
- Individual port labelling.
- Individual snap-in connectors for easy maintenance.
- Supplied with tool-less connectors for easy installation.
- Universal colour coding for 568A and 568B standards.
- Removable rear cable management tray.
- Compatible with standard 19 inch equipment frames.
- Complete with all mounting and cable fixing hardware.

Benefits

- Rear cable management tray is supplied loose, allowing the installer to fit after termination.
- The front labelling system provides a clear and efficient means of identifying circuits.
- Powder-coated metal frame is robust and protects the patch panel from corrosion and scratching.
- Angled panel provides higher density within your rack; more cables in less real estate.



RJ6AF/24PP



CPLRJ6AF/24PPAN

Catalogue No.	Description
RJ6AF/24PP	Patch Panel Category 6A FTP, 24-Port
CPLRJ6AF/24PPAN	Category 6A FTP Angled Patch Panel

Dimensions

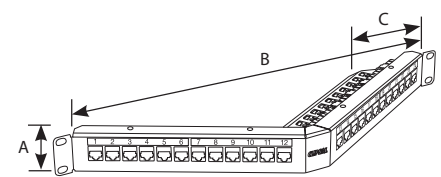
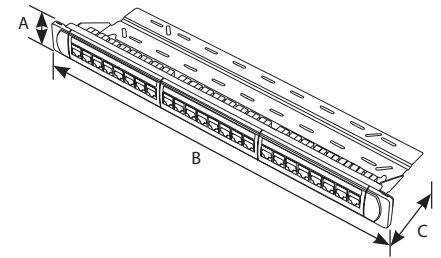
Product	A	B	C
RJ6AF/24PP	44mm	482mm	124mm
CPLRJAF/24PPAN	44mm	482mm	140mm

Electrical Characteristics

Dielectric Strength	1,000V RMS at 60Hz for 1 minute
Current Rating	2A maximum
Insulation Resistance	500M Ω minimum @ 100V d.c.
Contact Resistance	2.5M Ω per contact
Temperature Range	-40°C to 70°C
Transmission Performance	TIA/EIA-568.C.2 channel and link performance

Connector Characteristics

Modular Connector	
RJ45 8-Pin Connector	FCC part 68, Subpart F and IEC-60603-7 compliant
Durability	>750 mating cycles
Material	Phosphor bronze with 50 microinches of gold over 70-100 microinches nickel plating
IDC Connector	
IDC Connector	Suitable insulation of 22 to 24/AWG (0.64 to 0.41mm)
Insulation Diameter (Wire)	0.70-1.40mm
Connector Material	Phosphor bronze alloy with 100 microinches 100% Sn alloy



Connectors

The Clipsal Actassi range of products are the next generation of data communications solutions. These FTP modular connectors are colour coded for both 568A and 568B standards. The FTP modular connectors feature an easy to install, tool-less design. These products come in 30 mech and keystone options. The unique shielded 30 mech connector is designed to fit exclusively into all Clipsal Wall Plates.

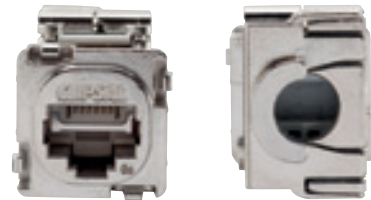
Features

- Fully compliant to AS/NZS 3080:2003, ISO/IEC 11801 2002, ANSI/TIA/EIA-568-C Series and ANSI/TIA/EIA-568-B.2-10 (draft) Connecting Hardware Standards.
- Flexible locking tabs.
- Tool-less termination.
- Suits Clipsal Wall Plates.

Benefits

- Is backward compatible with Category 5e and 6 products, allowing component mixing without degrading the network below the minimum component category.
- Flexible locking tabs allow for easy removal from wall plates.
- Designed to eliminate alien crosstalk (AXT).
- Keystone designed to interface with any 30 mech adaptor.

Modular



30RJ45SM6AF

Keystone



RJ45SM6AF

Catalogue No.	Description
30RJ45SM6AF	Connector RJ45 Category 6A FTP 30 Mech (Suits standards Clipsal Wall Plates)
RJ45SM6AF	Connector RJ45 Category 6A FTP Keystone

Dimensions

Product	A	B	C
30RJ45SM6AF	26mm	23mm	41mm
RJ45SM6AF	26mm	17mm	41mm

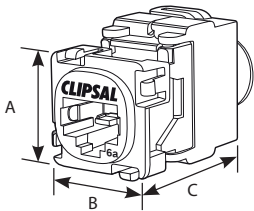
Electrical Characteristics

Dielectric Strength	1,000V RMS at 60Hz for 1 minute
Current Rating	2A maximum
Insulation Resistance	500MΩ minimum @ 100V d.c.
Contact Resistance	2.5MΩ per contact
Temperature Range	-40°C to 70°C
Transmission Performance	TIA/EIA-568.C.2 channel and link performance

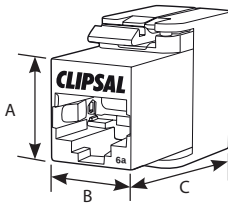
Mechanical Characteristics

RJ45 8-Pin Connector	FCC part 68, Subpart F and IEC-60603-7 compliant
Durability	>750 mating cycles
Material	Phosphor bronze with 50 microinches of gold over 70-100 microinches nickel plating
IDC Connector	Suitable insulation of 22 to 24/AWG (0.64 to 0.41mm)
Insulation Diameter (Wire)	0.70-1.60mm
Connector Material	Phosphor bronze alloy with 100 microinches 100% Sn alloy

Modular



Keystone



Patch Cord

The Clipsal Actassi Category 6A Patch Cord is a superior product that delivers the best network performance when used in conjunction with other Actassi Category 6A products.

The patch cord is constructed of high grade cable and quality RJ45 plugs, and is designed to operate up to 500MHz. This enables it to operate successfully in a Category 6A environment.

The LSZH sheath is composed of thermoplastic and thermoset compounds that limit emitted smoke and zero halogens (harmful gases) when exposed to high sources of heat or fire, and are PVC free.

The patch cord delivers excellent network performance and a "greener" peace of mind. More LSZH and RoHS products are being used as networks move toward a "greener" workplace and environment.



RJ6A8A10LPL-BU

Features

- Fully compliant to AS/NZS 3080, ISO/IEC 11801 and ANSI/TIA/EIA-568-C Series Channel and Link Standards.
- UL LSZH fire rated jacketing.
- PE insulation on conductors.
- Designed to mitigate AXT.

Benefits

- Performs to Category 6A International Standards.
- Comes in various lengths to assist with better cable management.
- Backward compatible with Category 5e and 6 products.
- Complies to LSZH requirements.

Catalogue No.	Description
RJ6AF8A10LPL-BU	Patch Cord Category 6A LSZH 568A 1.0m
RJ6AF8A20LPL-BU	Patch Cord Category 6A LSZH 568A 2.0m
RJ6AF8A30LPL-BU	Patch Cord Category 6A LSZH 568A 3.0m
RJ6AF8A50LPL-BU	Patch Cord Category 6A LSZH 568A 5.0m

Note: Colours available on request. Please contact Clipsal for more information.

Electrical Characteristics

Current Rating	2.0A maximum
Insulation	500M Ω minimum
Contact Resistance	20M Ω maximum

Mechanical Characteristics

Gauge	26/AWG
Pair Count	4-Pair individually colour coded with filler and LSZH jacket
Sequence	Wiring sequence T568 A
Durability	750 mating cycles
RJ45 Plug	FCC Part 68 Subpart F
Plug Boot	LSZH
Contact Material	Phosphor bronze with 50 microinches gold over 100 microinches nickel

Actassi Category 6A RJ45

Cable Management

Horizontal Cable Management (Deep)

The Clipsal Actassi Cable Management Panel is a 1 rack unit (1RU) item designed for use in 19 inch rack environments, managing patch cords that are connected between patch panels and/or active switches. The product is recommended for mounting between every second row of patch panels/active switches.

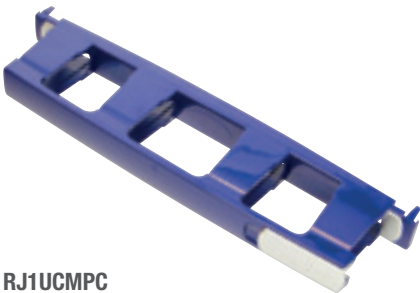
The unique clips provide a quick and simple means of installing the panel in the rack or cabinet. The rings have been designed to facilitate easy insertion and removal of the patch leads, necessary in dynamic environments where moves and changes are required.

Features

- Clip-on cover (patented).
- Rack mount clips eliminate the need for cage nuts and screws.
- Cavities behind each ring provide additional space for cable slack.
- Additional depth on cable rings ensures compliance with minimum bend radius requirements.
- 100mm cable ring depth.

Benefits

- Quick product installation using rack mount clips.

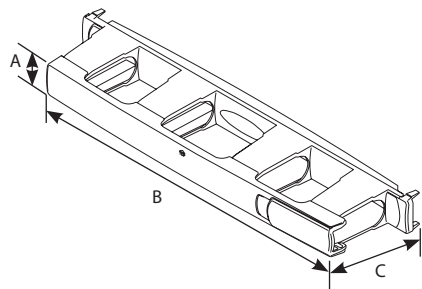


RJ1UCMPC

Catalogue No.	Description
RJ1UCMPC	1RU Clipsal Cable Management Panel, Deep

Dimensions

Product	A	B	C
RJ1UCMPC	44mm	482mm	100mm



Side Rings

Clipsal Actassi Side Rings are typically used in frames or cabinets to provide vertical patch cord management. These rings have several features that make them stand out. The “ring and lock” design utilises proven plastic hinge technology to guide patch cords. These rings have unique teeth locks that are easy to open and snap back to lock tight again, should you need to open the rings.

The rings can be mounted with patch panels or directly onto the vertical panel mounts (VPM) of the equipment frame.

Features

- Teeth locks that provide easy access and security for patch cords.
- Available in 1RU deep and shallow versions.

Benefits

- The “ring and lock” design makes the loading and unloading of patch cords or cables easier and also secures them in place, keeping the cabinet neat and uncluttered.
- More efficient circuit identification and administration.
- The different two ring depths enable the customer to manage the cabinet or rack better, depending on the amount of patch cords being used.



RJ1HUSDR



RJ1HUSSR

Catalogue No.	Description
RJ1HUSSR	1RU Side Ring, Shallow
RJ1HUSDR	1RU Side Ring, Deep

Dimensions

Product	Height	Width	Depth
RJ1HUSSR	42mm	43mm	65mm
RJ1HUSDR	42mm	43mm	130mm

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