



# S-SERIES 19" RACKS AND ACCESSORIES

# FLOOR MOUNT RACKS



SIDE VIEW



FRONT VIEW



BACK VIEW

Our "S-Series" range of 19" Floor Mount Racks cater for effortless installation of both the cabinet and your valuable equipment.

Featuring a sturdy frame manufactured to precise dimensions from SPCC high quality cold rolled steel with a thickness of 2mm for the rails, 1.2mm for the frame and 1.0mm side panels, making "S-Series" racks light without compromising on strength.

## CONSTRUCTION

- Sturdy frame made from high quality cold rolled steel
- Rails 2mm, Frame and doors 1.2mm, side panels 1mm
- Colour - Black RAL 9005

## FRONT GLASS DOOR AS STANDARD

- Fully tempered glass 5mm
- Clear view of inside the cabinet
- Earth lead
- Quick release hinges
- Perforated doors available as optional item

## REAR BI-FOLD PERFORATED DOORS

- Perforated for increased airflow
- Bi-fold doors save space when opening
- Quick release hinges

## SIDE PANELS

- Removable side panels
- Keyed cam locks included (different key to front door)

## RAIL

- Max load 800kg
- RU marking printed on to the front and rear rails for easy placement of components
- Easy to adjust rails

## CABLE ACCESS

- Generous cable access on top (front and rear)
- Bottom cable access via 5 removable cable entry plates

## AIR FLOW

- Fan box included with all floor mount racks
- 600mm Deep racks - 2 fans
- 800mm and deeper racks - 4 fans
- Fan box mounted on inside top of rack

## PDU

- 6-way 10A Horizontal rail mounted
- Australian 3 Pin plug and sockets
- Additional PDU range available as optional extra

## CABLE MANAGEMENT

- 120mm between front door and rail for cable management
- Horizontal cable management accessories available
- Vertical cable management accessories available
- 800mm wide racks feature built in vertical cable management

## PALLET MOUNTING

- Secured to and shipped on a pallet for safe and easy transportation
- Attached to pallet via brackets - quick and easy to remove once on-site

## FLOOR MOUNTING

- Four heavy duty castors (2 with brakes) fitted for positioning rack on site
- Four adjustable levelling feet

## SHELF ACCESSORIES

- Cantilever trays
- Fixed shelves
- Sliding shelves
- Storage drawer

## 19" FLOOR MOUNT RACKS

Part No.	DIMENSIONS (mm)					INCLUDED ACCESSORIES			
	RU	Weight (kg)	Width	Depth	Height	Fixed Shelves	Fans	6 Way PDU (10A)	Cage Nuts
HR18RU6-S	18	50	600	600	988	2	2	1	40
HR24RU6-S	24	58	600	600	1255	2	2	1	40
HR24RU9-S	24	66	600	900	1255	2	4	1	40
HR24RU1-S	24	71	600	1000	1255	2	4	1	40
HR32RU6-S	32	72	600	600	1610	2	2	1	40
HR32RU8-S	32	85	600	800	1610	2	4	1	40
HR32RU1-S	32	85	600	1000	1610	2	4	1	40
HR42RU6-S	42	86	600	600	2055	3	2	1	40
HR42RU8-S	42	102	600	800	2055	3	4	1	40
HR42RU9-S	42	110	600	900	2055	3	4	1	40
HR42RU1-S	42	117	600	1000	2055	3	4	1	40
HR42RU1W8-S	42	142	800	1000	2055	3	4	1	40
HR42RU1200W8-S	42	170	800	1200	2055	3	4	1	40
HR45RU1-S	45	155	600	1000	2188	3	4	1	40
HR45RU8-S	45	138	600	800	2188	3	4	1	40
HR45RU1W8-S	45	183	600	1000	2188	3	4	1	40

# KEY FEATURES



## Perforated Double Rear Doors

To provide ample air circulation and bi-folding to open in a limited space.



## Perforated Front Door

Available as an optional extra. The perforations are machine punched onto the cold rolled steel door.



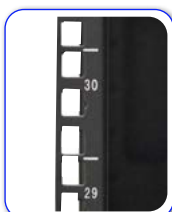
## Sturdy Frame

The cabinet is designed for loads of up to 800kg mounted on the 19" rails. It is good practice to mount heavier items low down in the cabinet and lighter items higher up.



## Side Panels

Removable for easy installation of components. All racks come with one side panel per side. Keyed cam locks are included as standard.



## RU Markings

Are placed on both front and rear rails to ensure easy positioning of components.



## Castors

Heavy duty castors are capable of carrying 800kg combined.



## Ventilation

Fan modules are included with all Floor Mount S-series racks and are an optional extra for the Wall Mount and Swing Frame racks. 600mm deep Floor mount racks feature a 2-fan module while the 800, 900 and 1000mm deep come with 4-fan modules for increased air flow.



## Generous Cable Access

Multiple removable access panels in the floor of the rack accommodate large volumes of cable.



## Front Door

The door is easily removed with the retractable mounting hinges. The door is a solid steel frame having a mounted tempered glass panel which provides a clear view of installed components.



## Cable Management

A range of horizontal vertical cable management options are available across the rack range. All 800mm wide S-series Floor Mount racks come with vertical cable management channels fitted to the front of the rack.



## Power Management

6-way 10A PDU is included with all Floor mounted racks. A range of PDU's are also available, including 10-way, 20-way, horizontal and vertical.



## Earthing

All installed doors have an earthing connection point and earth lead fitted.

# WALL MOUNT RACKS



SIDE VIEW



FRONT VIEW



BACK VIEW

Our "S-Series" range of Wall Mount Racks cater for effortless installation of both the cabinet and your valuable equipment. Our wall mount racks can be used underneath stairwells or tight corners and are ideal when you need to secure a small number of items such as patch panels or modems at eye level height for ease of use and maintenance.

Sturdy frame manufactured to precise dimensions from SPCC high quality cold rolled steel with a thickness of 1.5mm for the rails, 1.2mm doors and 1.0mm for the frame and side panels, making these racks very rigid under load conditions.

Wall Mount Racks are designed to carry your valuable equipment up to a 90kg weight load when installed on suitable walls and in accordance with the manufacturer's instructions.

## CONSTRUCTION

- Sturdy welded frame made from high quality cold rolled steel
- Rails 1.5mm, Frame 1mm, doors 1.2mm and side panels 1mm
- Max load 90kg
- Colour - Black RAL 9005

## GLASS DOOR

- Fully tempered glass 4mm
- Clear view of inside the cabinet
- Earth lead connected to door
- Quick release hinges
- Door can be changed to left or right opening via quick release hinges

## SIDE PANELS

- Removable side panels
- Keyed cam locks

## MOUNTING BRACKET

- Features a wall mount bracket for easy installation and removal of the rack
- Before mounting to a wall, ensure that the wall structure has enough strength to support the rack and its load

## RAIL

- Max load 90kg
- RU marking printed on to the front and rear rails for easy placement of components
- Easy to adjust rails

## CABLE ACCESS

- Rear cable access via 2 x knock-outs, allowing cable to enter rear of rack out of sight
- Generous cable access on top and bottom via removable cable plates
- 1x cable access on top. 1x cable access on bottom

## AIR FLOW

- Fan cut outs on top for mounting up to 2x 120mm fans
- Covered fan cut outs on top prevent dust entering if fans are not installed

## PDU

- 6-way 10A Horizontal rail mounted
- Australian 3 Pin plug and sockets
- PDU range available as optional extra

## CABLE MANAGEMENT

- 70mm between front door and rail for cable management
- Horizontal cable management accessories available

## SHELF ACCESSORIES

- Cantilever trays
- Fixed shelves

## 19" WALL MOUNT RACKS

Part No.	Dimensions (mm)					INCLUDED ACCESSORIES			
	RU	Weight (kg)	Width	Depth	Height	Fixed Shelves	Fans	6 Way PDU (10A)	Cage Nuts
HRWM6RU-4-S	6	14	600	450	370	1	0	1	40
HRWM6RU-S	6	17	600	600	370	1	0	1	40
HRWM9RU-S	9	21	600	600	500	1	0	1	40
HRWM12RU-4-S	12	20	600	450	635	1	0	1	40
HRWM12RU-S	12	23	600	600	635	1	0	1	40
HRWM18RU-S	18	31	600	600	905	1	0	1	40

# SWING FRAME RACKS



SIDE VIEW



FRONT VIEW



BACK VIEW

Our range of “S-Series” Swing Frame Racks provides all the unique features you have come to enjoy on our “S-Series” wall mount range, with the added swing-away feature. When additional uncompromised access is required, the rack can be unlocked and swung away from the wall allowing full access to the rear of your equipment for installation and/or regular servicing.

The racks are great for underneath stairwells or tight corners. Sturdy welded frame manufactured to precise dimensions from SPCC high quality cold rolled steel with a thickness of 1.5mm for the rails, 1.2mm for the frame and 1.0mm side panels, making them very rigid under load conditions. Our Wall Mount and Swing Frame Racks are designed to carry your valuable equipment up to a 60kg weight load when installed on suitable walls and in accordance with the manufacturer’s instructions.

## CONSTRUCTION

- Sturdy welded frame made from high quality cold rolled steel
- Rails 1.5mm, frame and door 1.2mm, side panels 1mm
- Max load 60kg
- Colour - Black RAL 9005

## SWING FRAME DESIGN

- Easy to access installed equipment
- Locator pins help align the door to the frame when closing
- Keyed lock prevents unauthorised persons opening the swing frame

## GLASS DOOR

- Fully tempered glass 4mm
- Clear view of inside cabinet
- Earth lead connected to door
- Quick release hinges
- Door can be changed to left or right opening via quick release hinges

## SIDE PANELS

- Removable side panels
- Keyed cam locks optional



Swing Frame Feature

## MOUNTING

- Features 4x keyhole shaped holes to easily mount onto the wall
- Before mounting to a wall, ensure that the wall structure has enough strength to support the rack and its load

## RAIL

- Max load 60kg
- RU marking printed on to the front and rear rails for easy placement of components
- Easy to adjust rails
- Numerous accessories available for rail mounting

## CABLE ACCESS

- Rear cable access via 2 x knock-outs, allowing cable to enter rear of rack out of sight
- Generous cable access on top and bottom via removable cable plates
- 2x cable access on top. 2x cable access on bottom

## AIR FLOW

- Fan cut outs on top for mounting up to 2x 120mm fans
- Covered fan cut outs on top prevent dust entering if fans are not installed

## PDU

- 6-way 10A Horizontal rail mounted
- Australian 3 Pin plug and sockets
- PDU range available as optional extra

## CABLE MANAGEMENT

- 70mm between front door and rail for cable management
- Horizontal cable management accessories available

## SHELF ACCESSORIES

- Cantilever trays
- Fixed shelves

## 19" SWING FRAME RACKS

Part No.	Dimensions (mm)					INCLUDED ACCESSORIES			
	RU	Weight (kg)	Width	Depth	Height	Fixed Shelves	Fans	6 Way PDU (10A)	Cage Nuts
<b>HRSF6RU-S</b>	6	22	600	600	370	1	0	1	40
<b>HRSF9RU-S</b>	9	18	600	600	500	1	0	1	40
<b>HRSF12RU-S</b>	12	24	600	600	635	1	0	1	40
<b>HRSF18RU-S</b>	18	30	600	600	900	1	0	1	40

# WALL MOUNT & SWING FRAME ENCLOSURES

Our "S-Series" range of 19" Wall Mount and Swing Frame Racks cater for effortless installation of both the cabinet and your valuable equipment.

Our wall mount and swing frame racks can be used underneath stairwells or tight corners and are ideal when you need to secure a small number of items such as patch panels or modems at eye level height for ease of use and maintenance.

Sturdy frame manufactured to precise dimensions from SPCC high quality cold rolled steel with a thickness of 1.5mm for the rails, 1.2mm doors and 1.0mm for the frame and side panels, making racks very rigid under load conditions.

## Wall Mount

Wall Mount Racks are designed to carry your valuable equipment up to a 90kg weight load when installed on suitable walls and in accordance with the manufacturer's instructions.

## Swing Frame

Our range of "S-Series" Swing Frame Racks provide all the unique features you have come to enjoy on our "S-Series" wall mount range, with the added swing-away feature. When additional uncompromised access is required, the rack can be unlocked and swung away from the wall allowing full access to the rear of your equipment for installation and/or regular servicing.

Swing Frame Racks are designed to carry your valuable equipment up to a 60kg weight load when installed on suitable walls and in accordance with the manufacturer's instructions.

## Mounting Guidelines

When specifying your new Wall Mount or Swing Frame Enclosure we recommend you follow these simple guidelines:

- The wall used to support the enclosure must be able to carry the weight of the cabinet and the equipment (maximum equipment weight for wall mount 90kg and 60kg for swing frame). As a weight guide to the enclosure cabinet and accessories, refer to the previous page. We recommend you discuss your combined weights of the enclosure, accessories and data equipment with a professional tradesman regarding wall suitability and your mounting requirements.
- It is recommended that expansion type bolts (such as DynaBolts), in the top four holes, be used for brick or concrete walls when securing the cabinet to a suitable wall.
- In the case of a cavity wall, there must be internal framing that can be used to fix the enclosure to. Cavity walls without framing are not to have these cabinets installed onto them.
- In the case of Swing Frame Enclosures, ensure there is ample room to allow the enclosure to swing open fully.

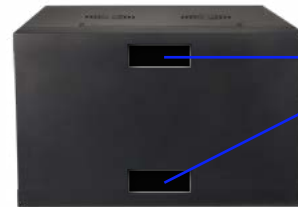
**NOTE:** Do not exceed 90kg maximum equipment weight limit for Wall Mount and 60kg for Swing Frame Enclosures.

## Cable Access

- Multiple cable entry/access points on the top, bottom and rear panels
- 1 x removable cable entry plate on top
- 1 x removable cable entry plate on bottom
- 2 x removable cable entry knock outs on rear

## Rear Cable Entry

- Cables can enter rack rear panel via 2 cable entry points
- Cable entry points are knocked out as required



## Side Access Panels

- Easy to remove side panels for quick access
- Keyed cam lock

## Sturdy Welded Frame

- High quality SPCC cold rolled steel
- 1.5mm Rails, 1.2mm Door and 1mm Frame and Side Panels
- Maximum load 90kg - Wall Mount
- Maximum load 60kg - Swing Frame

## Key Locks

- Keyed front door for added security

## Shelves

- Supplied fitted with a fixed shelf
- Cantilever shelves available as optional accessories

# KEY FEATURES

## Included as standard

6-way 10A PDU, 40x cage nuts, 1x fixed shelf, glass front door, and earth lead on front door.

### Air Flow

- Fan cut outs on top for mounting up to 2 120mm fans
- Covered fan cut outs on top prevent dust entering if fans are not installed

### Swing Frame Design

- Easy access to installed equipment without affecting the mounting of the product against the wall
- Swing frame has keyed lockable side clip for added security
- Rack can be mounted upside down to offer alternate swing frame direction



### 19" Marked and Notched RU Positions

- RU markings on both front and rear rails for easy placement of components



### Earth Continuity Lead

- Fitted with earth lead for continuity between door and frame



### Fully Tempered Glass Panel Front Door

- Clear view of inside rack
- 4mm tempered glass
- Fitted with earth continuity lead and keyed lock

### Internal Side Rails

- Depth adjustable for easy installation
- RU markings on both front and rear rails for easy placement of components

### Quick Release Hinges

- Door can be changed to left or right opening
- Quickly and easily remove door for greater access



# ACCESSORIES

## Shelves

Our range of shelving accessories for our Racks & Cabinets are designed to offer solutions for most customer requirements and cover several shelf types.



1



2



3

No.	Part No.	Description	Suits Rack		Depth	Width	RU Space	Mounting	Weight kg	Max Load kg
			Type	Depth						
1	<a href="#">HRCS300-S</a>	CANTILEVER SHELF 483 X 300 X 43	ALL	ALL	300	483	1	RU Rail	2.5	20
	<a href="#">HRCS350-S</a>	CANTILEVER SHELF 483 X 350 X 43	ALL	ALL	350	483	1	RU Rail	3	20
	<a href="#">HRCS400-S</a>	CANTILEVER SHELF 483 X 400 X 43	ALL	600 to 1000	400	483	1	RU Rail	3.5	20
2	<a href="#">HRFT270-S</a>	FIXED SHELF 80 X 270 X 48	WM	450	270	480	0	Side Rail	1.5	90
	<a href="#">HRFT420-S</a>	FIXED SHELF 480 X 420 X 48	WM	600	420	480	0	Side Rail	2.5	90
	<a href="#">HRFT320-S</a>	FIXED SHELF 480 X 320 X 48	SF	600	420	480	0	Side Rail	1.8	90
	<a href="#">HRFT350-S</a>	FIXED SHELF 470 X 350 X 48	FM	600	350	470	0	Side rail	2	90
	<a href="#">HRFT650-S</a>	FIXED SHELF 470 X 650 X 48	FM	900	650	470	0	Side rail	3.2	90
3	<a href="#">HRSS350-S</a>	SLIDING SHELF 470 X 350 X 53	FM	600	350	470	1	RU Rail	2.26	30
	<a href="#">HRSS550-S</a>	SLIDING SHELF 470 X 550 X 53	FM	800	550	470	1	RU Rail	3.26	30
	<a href="#">HRSS650-S</a>	SLIDING SHELF 470 X 650 X 53	FM	900	650	470	1	RU Rail	4.26	30

## Perforated Front Doors

In addition to the standard door supplied with our floor mounted cabinets, a range of perforated doors for applications where increased airflow is required. Airflow is improved using perforated doors and effective fan configurations to achieve maximum heat dispersion.

The perforations in the door are uniformly punched into cold rolled steel. These doors are supplied for retro fitting to the range and are sized according to height measured in RU and width.

Part No.	Description	Weight (kg)	Suits Rack
<a href="#">HRPFD24-S</a>	19" RU24 FRONT DOOR PERFORATED	8	24RU x 600 WIDE
<a href="#">HRPFD32-S</a>	19" RU32 FRONT DOOR PERFORATED	10	32RU x 600 WIDE
<a href="#">HRPFD42-S</a>	19" RU42 FRONT DOOR PERFORATED	12	42RU x 600 WIDE
<a href="#">HRPFD42W8-S</a>	19" RU42 FRONT DOOR PERFORATED	14	42RU x 800 WIDE
<a href="#">HRPFD45-S</a>	FRONT DOOR PERFORATED RU45	14	45RU x 600 WIDE
<a href="#">HRPFD45W8-S</a>	FRONT DOOR PERFORATED RU45	16	45RU x 800 WIDE



42RU



# ACCESSORIES

## Cable Management

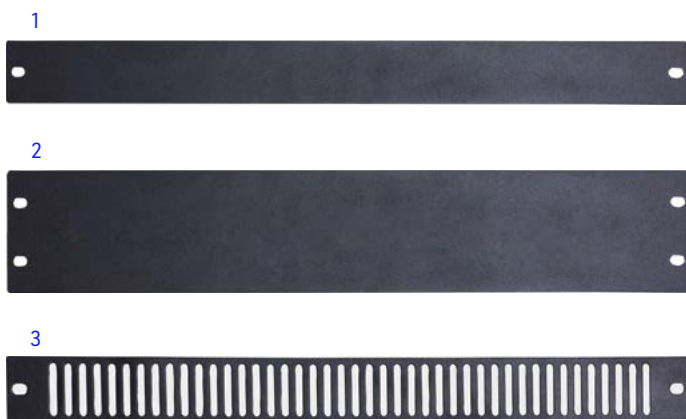
Our range of horizontal and vertically mounted cable management products for minding patch leads and neatly placing cable runs in the rack. They are suitable for copper and fibre optic cables.



No.	Part No.	Description	Notes
1	PCM	PATCH CORD MINDER R19 1RU BLACK 5 RING	5 restraining clips. Fits into 1RU
2	PCM-S	PATCH CORD MINDER R19 1RU BLACK 5 RING	5 restraining clips. Fits into 1RU
3	PCMD-S	PATCH CORD MINDER RM R19 1RU 24 SLOT	Pitch 10mm & slot opening 8mm
4	PCM1RUDUCT	PATCH CORD MINDER RM R19 1RU 17 SLOT	Pitch 25mm & slot opening 12mm
5	PCM2RUDUCT	PATCH CORD MINDER RM R19 2RU 17 SLOT	Pitch 25mm & slot opening 12mm
6	PCM1RUDUCT-S	PATCH CORD MINDER RM R19 1RU 12 SLOT	Pitch 16mm & slot opening 19mm
7	PCM2RUDUCT-S	PATCH CORD MINDER RM R19 2RU 12 SLOT	Pitch 16mm & slot opening 19mm

## Blanking & Vent Panels

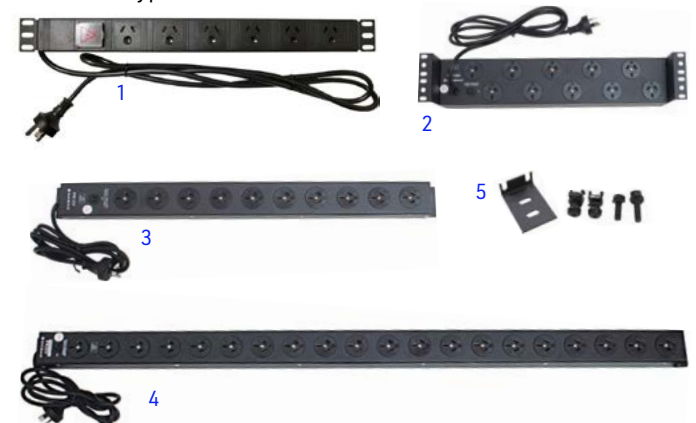
Suitable for blanking unused rack space.



No.	Part No.	Description
1	HRBP1RU-BK	BLANK PANEL 1RU 19" RM BLACK
2	HRBP2RU-BK	BLANK PANEL 2RU 19" RM BLACK
3	HRVP1RU-BK	VENT PANEL 1RU 19" RM BLACK

## Power Management

Basic power rails are available to assist with power supply to various rack mounted components. These power rails or PDUs are protected by 10A thermal overload and all outlets are Australian type 10AMP.



No.	Part No.	HORIZONTAL RACK MOUNTING
1	PDU10A6W	PDU 6 WAY 10A SOCKET OUTLET WIDELY SPACED
2	PR10H	POWER RAIL 10 WAY 10A SOCKET OUTLET, 10A OVERLOAD PROTECTED
VERTICAL RACK MOUNTING		
3	PR10V	POWER RAIL 10 WAY 10A SOCKET OUTLET, 10A OVERLOAD PROTECTED
4	PR20V	POWER RAIL 20 WAY 10A SOCKET OUTLET, 10A OVERLOAD PROTECTED
5	RPDUB	VERTICAL POWER RAIL ADAPTOR FOR ATTACHMENT TO RU RAIL

# ACCESSORIES

## Fan Modules

The two fan module fits all wall mount and swing frame racks. The quad fan module fits all floor mount racks.



1



2



3 & 4

No.	Part No.	Description	Weight (kg)
<b>WALL MOUNT / SWING FRAME</b>			
1	RFM2-WMSF-S	DOUBLE FAN 350X135X40 RACK MODULE	1.75
<b>FLOOR MOUNT</b>			
2	RFM2-600-S	DOUBLE FAN 346X130X40 600MM RACK MODULE	2.7
3	RFM2-800-S	QUAD FAN 546X412X40 800MM RACK MODULE	3
4	RFM2-1000-S	QUAD FAN 746X412X40 1000MM RACK MODULE	5

## Basic Accessories

A range of general spares and accessories for the network cabinets.

No.	Part No.	Description	Weight (kg)
1	R19CASTORS-S	HEAVY DUTY CASTERS PK4 2X BRAKES 2XWO	5
2	CAGENUT-40	M6 CAGENUT - PACK OF 40	0.45



1



2



## Fibre Optic Enclosures

- Available in Sliding and Fixed configurations
- Compact, modular design with screw lid.
- Accepts various coupler panels and splice cassettes
- Made from tough and durable steel



## Fibre Optic Patch Cords

- Available in a wide variety of colours and lengths
- Both Multimode and Singlemode
- Factory terminated leads with Mode coloured connectors and jacket
- Up to 500 mating cycles (IEC 61300-2-2)
- Applications include data centre and premise cabling



## Patch Panels – Category 6A Shielded and Unshielded

- Component Compliant Category 6A
- Outstanding performance headroom
- Termination by tool (single wire or all 8 wires at once) or tool-less
- Both 568A and 568B wiring code label



## Cable – Category 6A Unshielded

- Excellent performance in C6A networks
- Fully standards compliant
- Improved central separator
- Available in Blue and Grey



## Cable – Category 6A Shielded

- One of the best performing cables on the market today
- Exceptional alien crosstalk (ANEXT) performance
- Exceptional electromagnetic immunity
- Delivers true 10 Gigabit performance



## Patch Cords – Category 6A

- Available in a wide variety of colours and lengths
- Both Normal diameter and Reduced diameter available
- Category 6A standards compliant
- Provides exceptional alien crosstalk (ANEXT) performance



# CONTACT

## **MSS DATA SOLUTIONS**

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ABN 69 102 631 087

T: 1800 328 200

F: 1800 328 239

E: [sales@mssdatasolutions.com.au](mailto:sales@mssdatasolutions.com.au)

W: [mssdatasolutions.com.au](http://mssdatasolutions.com.au)

MSS Data Solutions is an established market leader in fibre optics and communications cabling, providing an industry-best service, tailor-made for the needs of any project.

We are uniquely positioned to work with you to deliver complete data and communications solutions through our world class products, in-house support teams and international partnerships.

### **SYDNEY**

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8 Distribution Place,  
Seven Hills NSW 2147

### **MELBOURNE**

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Building 9, 621 Whitehorse Rd,  
Mitcham VIC 3132

### **BRISBANE**

---

Lot 4, 62 Crockford Street,  
Northgate QLD 4013

### **PERTH**

---

6B Hunt Street,  
Malaga WA 6090

### **WAREHOUSE**

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8 Distribution Place,  
Seven Hills NSW 2147