



AS/NZS3013:2005  
**FIRE RATED**  
CABLE SUPPORT SYSTEMS

**LOOK FOR OUR AS/NZS3013:2005 FIRE RATED LOGO.**

It's a sure sign your cable management solution is designed in Australia, rigorously and independently tested to meet Australian standards, and selected from Australia's widest range of fire rated products.

**WHY RISK INSTALLING ANYTHING ELSE?**

**EzyStrut**

**Cable & Pipe Supports**

[www.ezystrut.com.au](http://www.ezystrut.com.au)



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# TECHNICAL INFORMATION

## Load Over Span

When choosing your cable support system, it is important to consider the weight (**load**) you want to support over a certain **span**. In the case of trapeze mounted cable trays or ladders, the span is the distance between these trapezes, separate from the overall length of the cable support product.

In many cases, the **higher** your desired load, the shorter the maximum allowable spans become, because shorter spans can support more weight. Shorter spans also result in less **deflection**. However, if you require longer spans and less fixing points for your support product, this can be achieved by reducing the maximum load per metre allowable over that span.\*

**Support Span** is the distance between trapeze supports on your tray or ladder.

**Overall Length** is the total length of your support product regardless of the quantity of supports.

Cable tray offers continuous support of cables along the entire length. Normally it is offered in 3m lengths.

Cable ladder offers greater strength when compared to other cable support products, using welded rungs to support your cables, and is offered in 3 or 6m lengths.

## AS/NZS3013:2005

All EzyStrut Fire Rated Cable Supports are certified to AS/NZS3013:2005 Appendix C Classification WS5X (2 Hours) with a peak temperature of 1050°C.

AS/NZS3013:2015 certification is only achieved by abiding by the installation information contained in this catalogue.

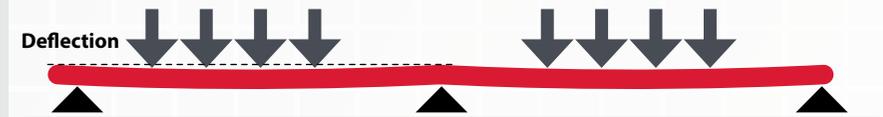
## Longer Support Span

- Less Support Points
- Lower Load Capability
- Greater Deflection

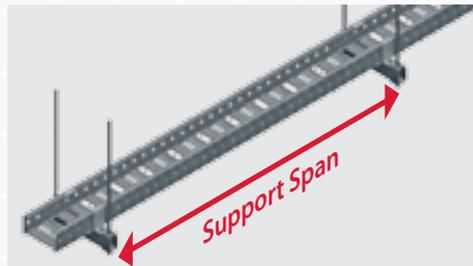


## Shorter Support Span

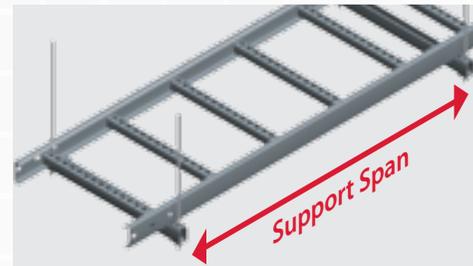
- More Support Points
- Higher Load Capability
- Less Deflection



## Fire Rated Cable Tray



## Fire Rated Cable Ladder



## Materials and Finishes

By standard, EzyStrut Fire Rated components are manufactured from steel, and are hot dip galvanised after fabrication to meet AS4680:2006. This gives them a strong, all over coating of zinc that is metalurgically bonded to the parent steel, and means that the product is protected against corrosion in most outdoor environments.

Tray can also be fabricated from pre-galvanised steel, which has a visually clean appearance, and is ideal for inside installations where the product will be visually exposed.

## Handy Info

EzyStrut's fabrication services (EzyFab) can assist with arranging for powder coating of all products, as an optional, additional finish, to provide any colour necessary for design reasons, as well as special matte black to prevent reflections on the steel if the product is being installed in an environment such as a road tunnel.

## Testing

All testing of EzyStrut Fire Rated Cable Supports is carried out in accordance with relevant loading, and AS/NZS3013:2005 requirements.

All results are independently certified by a NATA accredited facility.

## Design Profiles

Single



Twin



Double Stack



\*All published loads assume a uniformly distributed load on installed products.

# SOLUTIONS

The widest range of AS/NZS3013:2005 compliant Fire Rated Cable Support Solutions. EzyStrut understands the needs of installers for projects requiring AS/NZS3013:2005 conformance. These projects need reliability, effortless installation, options for different loads and spans, and assurance of compliance with the stringent standard.

We do not just offer one product with one load or span with one profile. We offer you options for cable tray to offer continuous support for cables and cable ladder for high volume, heavy weight cabling. Furthermore, our Australian engineering team can work with your site requirements to design an appropriate solution for your needs.

## HOW TO ORDER

## FR100 L 600 6 K H

### Select Fire Rated Load Rating

<b>FR12</b>	12.5kg/m
<b>FR20</b>	20kg/m
<b>FR25</b>	25kg/m
<b>FR40</b>	40kg/m
<b>FR50</b>	50kg/m
<b>FR60</b>	60kg/m
<b>FR70</b>	70kg/m
<b>FR100</b>	100kg/m
<b>FR100D</b>	100kg/m (Double Stack Profile)
<b>FR114D</b>	114kg/m (Double Stack Profile)

### Select Tray, or Ladder

<b>ET3</b>	ET3 Cable Tray
<b>ET5</b>	ET5 Cable Tray**
<b>L</b>	Cable Ladder**

### Select Cabling Width (mm)

<b>150</b>
<b>300</b>
<b>450</b>
<b>600</b>

### Select Length (m, Ladder Only)

<b>3</b>
<b>6</b>

### Specify Kit (K) (if required)

<b>K</b>	Fire Rated Kit with Trapeze Supports
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### Select Finish

<b>H</b>	Hot Dip Galvanised Steel
<b>G</b>	Pre-Galvanised Steel (Cable Tray only)
<b>P</b>	Painted/Powder Coated

Check product pages for individual product specifications and available cabling widths  
\*\*Structurally enhanced for AS/NZS3013:2005 compliance

# CABLE TRAY OPTIONS



	<b>FR12</b> Fire Rated 12.5kg/m	<b>FR20</b> Fire Rated 20kg/m	<b>FR20</b> Fire Rated 20kg/m	<b>FR25</b> Fire Rated 25kg/m	<b>FR40</b> Fire Rated 40kg/m
<b>Product Type</b>	ET5 Cable Tray	ET3 Cable Tray	ET5 Cable Tray	ET5 Cable Tray	ET5 Cable Tray
<b>Design Profile</b>	Single	Single	Single	Twin	Twin
<b>Cable Laying Depth</b>	78mm	43mm	78mm	78mm	78mm
<b>Cable Laying Widths</b>	150mm 300mm	150mm 300mm	150mm 300mm	300mm 450mm 600mm	300mm 450mm 600mm
<b>Lengths</b>	3m	3m	3m	3m	3m
<b>Support Span</b>	1500mm	1000mm	1000mm	1500mm	1000mm
<b>Material Finish</b>	Pre-Galvanised Hot Dip Galvanised Powder Coat / Painted				
<b>Available Orientations</b>	Horizontal Vertical On-edge^	Horizontal	Horizontal Vertical On-edge^	Horizontal	Horizontal



\*Minimum Order Quantities Apply.

^These systems can also be installed vertically and on-edge configuration (ladder rung perpendicular to ground) with the same spans as horizontal assemblies. Please contact EzyStrut for further information.

# CABLE LADDER OPTIONS

	<b>FR20</b> Fire Rated 20kg/m	<b>FR26</b> Fire Rated 26kg/m	<b>FR50</b> Fire Rated 50kg/m	<b>FR60</b> Fire Rated 60kg/m	<b>FR70</b> Fire Rated 70kg/m	<b>FR100</b> Fire Rated 100kg/m	<b>FR100D</b> Fire Rated 100kg/m	<b>FR114D</b> Fire Rated 114kg/m
<b>Design Profile</b>	Single	Single	Single	Single	Single	Single	Double Stack	Double Stack
<b>Cable Laying Depth</b>	45mm	83mm	45mm	83mm	101mm	101mm	45mm x 2	83mm x 2
<b>Cable Laying Widths</b>	150mm 300mm 450mm 600mm	150mm 300mm 450mm 600mm	150mm 300mm 450mm 600mm	150mm 300mm 450mm 600mm	150mm 300mm 450mm 600mm	150mm 300mm 450mm 600mm	150mm x 2 300mm x 2 450mm x 2 600mm x 2	150mm x 2 300mm x 2 450mm x 2 600mm x 2
<b>Lengths</b>	3m 6m	3m 6m						
<b>Support Span</b>	2000mm	2000mm	1500mm	1500mm	1500mm	1050mm	1500mm	1500mm
<b>Material Finish</b>	Hot Dip Galvanised Powder Coat / Painted	Hot Dip Galvanised Powder Coat / Painted						
<b>Available Orientations</b>	Horizontal	Horizontal	Horizontal Vertical On-edge^	Horizontal Vertical On-edge^	Horizontal Vertical On-edge^	Horizontal	Horizontal	Horizontal

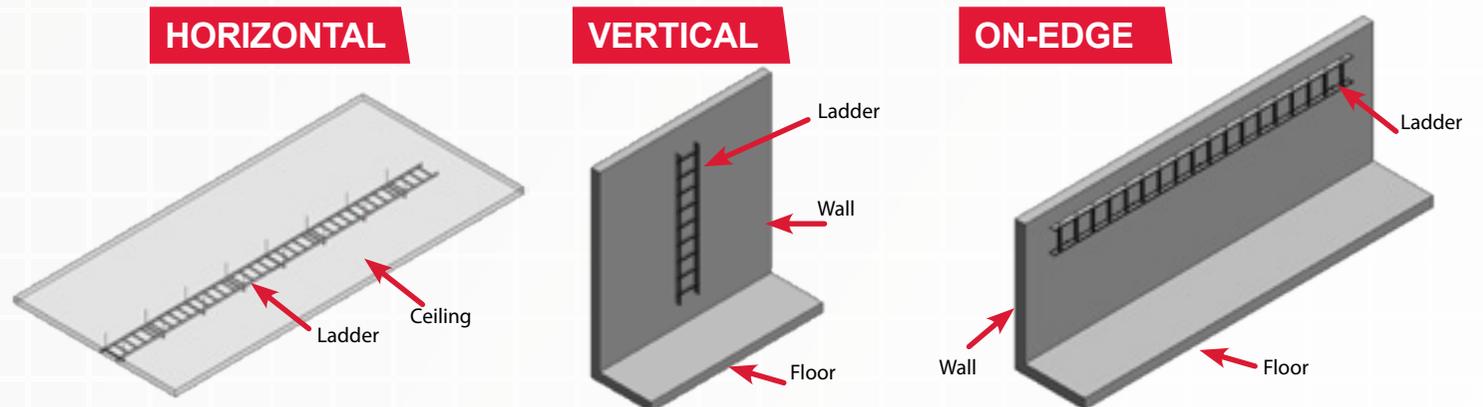
\*Minimum Order Quantities Apply.

^These systems can also be installed vertically and on-edge configuration (ladder rung perpendicular to ground) with the same spans as horizontal assemblies. Please contact EzyStrut for further information.

## AVAILABLE ORIENTATIONS

All our fire rated cable tray and ladder can be used in horizontal orientation. However, some of our fire rated cable tray and ladder can also be installed vertically and on-edge configuration (ladder rung perpendicular to ground) with the same spans as horizontal assemblies. Refer to the tables on page 4 and 5 under "Available Orientations".

Please contact EzyStrut for further information and assistance in selecting the right option for you.



# CABLE TRAY

AS/NZS3013:2005 Fire Rated Cable Trays suitable for in or outside installation.

WS5X classification to standard AS/NZS3013:2005 Appendix C.

Standard Length	3m
Cabling Widths	150-600mm
Cabling Depths	44 or 78mm
Load Capabilities	12.5kg/m to 40kg/m
Trapezes Supplied	With Kit (K) orders only
Available Finishes	Pre-Galvanised [G] Hot Dip Galvanised [H]
Additional Painting/ Powder Coating options?	Yes

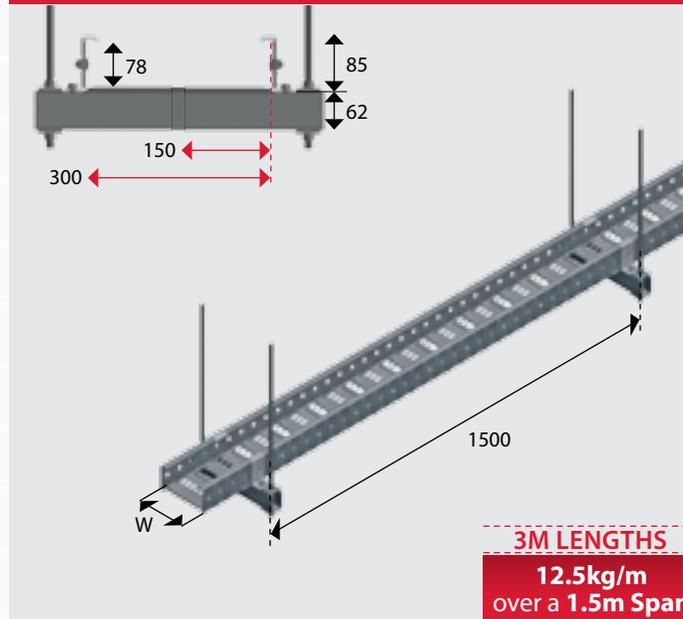
The EzyStrut range of Fire Rated Cable Trays offer continuous support for your cables along their entire lengths.

They are formed with precision and engineered to maximise the strength capability of the steel. They are fabricated from pre-galvanised steel, for a long corrosion resistant life, with a clean looking, high quality surface great for inside installation. Alternatively, all components can be hot dip galvanised after fabrication for greater corrosion protection. Powder coating is also available as an optional additional coating to meet any colour or other requirements.

Trapeze kits are supplied with all products, and must be used to install the trays as a complete system to be compliant with AS/NZS3013:2005.



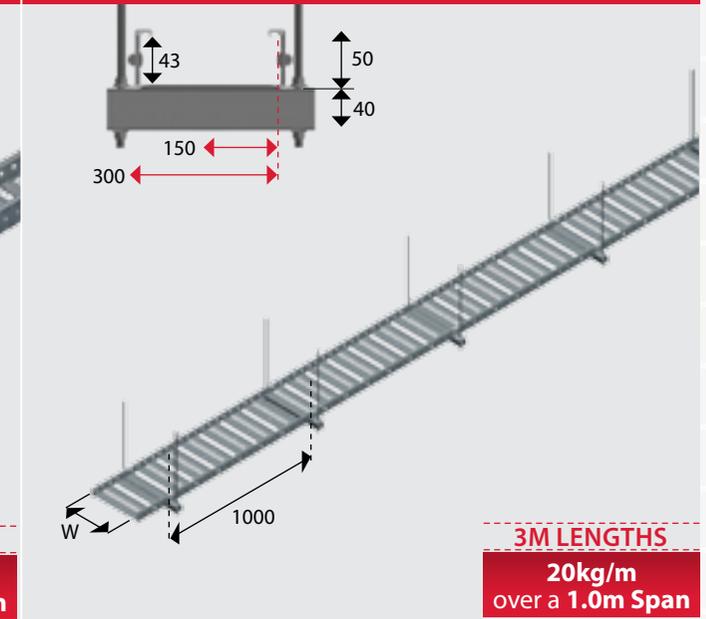
## FR12 ET5 CABLE TRAY



- Rated load of 12.5kg per metre
- 78mm Cable Laying Depth
- 1500mm Trapeze Support Spacing
- 3m lengths
- M12 Threaded Rod
- Same spans for vertical and on-edge configuration

Kit Ordering Code	Cable Laying Width - W (mm)	Trapeze Width (mm)
FR12 ET5 150 K [G/H]	150	327
FR12 ET5 300 K [G/H]	300	477

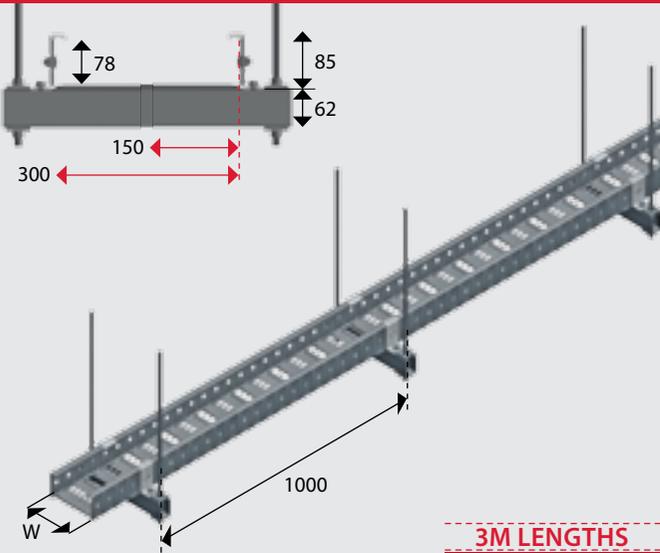
## FR20 ET3 CABLE TRAY



- Rated load of 20kg per metre
- 43mm Cable Laying Depth
- 1000mm Trapeze Support Spacing
- 3m lengths
- M10 Threaded Rod

Kit Ordering Code	Cable Laying Width - W (mm)	Trapeze Width (mm)
FR20 ET3 150 K [G/H]	150	262
FR20 ET3 300 K [G/H]	300	412

## FR20 ET5 CABLE TRAY

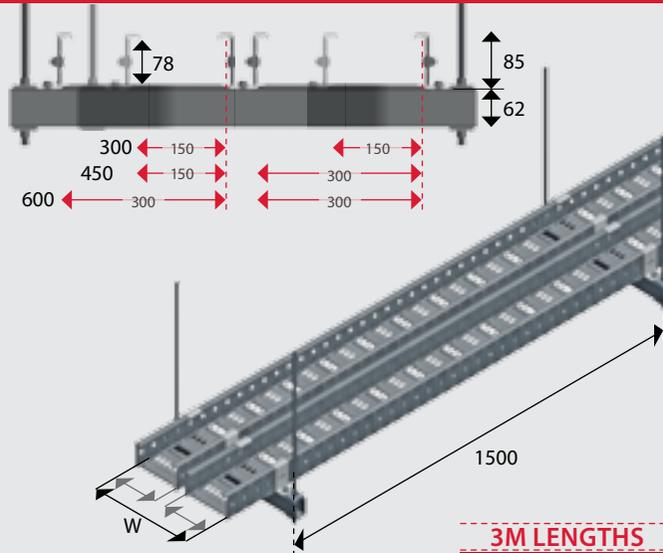


**3M LENGTHS**  
**20kg/m**  
**over a 1.0m Span**

- Rated load of 20kg per metre
- 78mm Cable Laying Depth
- 1000mm Trapeze Support Spacing
- 3m lengths
- M12 Threaded Rod
- Same spans for vertical and on-edge configuration

Kit Ordering Code	Cable Laying Width - W (mm)	Trapeze Width (mm)
FR20 ET5 150 K [G/H]	150	327
FR20 ET5 300 K [G/H]	300	477

## FR25 ET5 CABLE TRAY



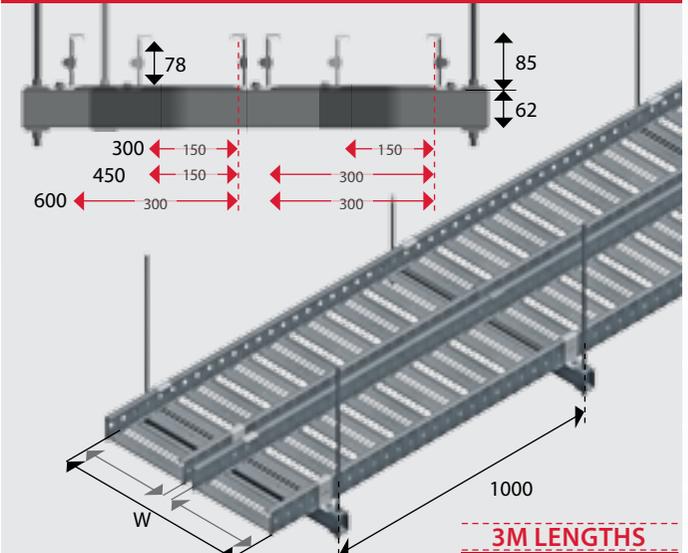
**3M LENGTHS**  
**25kg/m**  
**over a 1.5m Span**

**TWIN DESIGN**  
**FOR MAXIMUM WIDTH**

- Twin Tray design for maximum width capability\*
- Rated load of 25kg per metre
- 78mm Cable Laying Depth
- 1500mm Trapeze Support Spacing
- 3m lengths
- M12 Threaded Rod

Kit Ordering Code	Cable Laying Width - W (mm)	Trapeze Width (mm)
FR25 ET5 300 K [G/H]	300	530
FR25 ET5 450 K [G/H]	450	680
FR25 ET5 600 K [G/H]	600	830

## FR40 ET5 CABLE TRAY



**3M LENGTHS**  
**40kg/m**  
**over a 1.0m Span**

**TWIN DESIGN**  
**FOR MAXIMUM WIDTH**

- Twin Tray design for maximum width capability\*
- Rated load of 40kg per metre
- 78mm Cable Laying Depth
- 1000mm Trapeze Support Spacing
- 3m lengths
- M12 Threaded Rod

Kit Ordering Code	Cable Laying Width - W (mm)	Trapeze Width (mm)
FR40 ET5 300 K [G/H]	300	530
FR40 ET5 450 K [G/H]	450	680
FR40 ET5 600 K [G/H]	600	830

\*Max allowable load on each tray in twin design is 50% of total load rating

# CABLE LADDER

AS/NZS3013:2005 Fire Rated Cable Ladders.

WS5X classification to standard  
AS/NZS3013:2005 Appendix C.

Available Lengths	3 or 6m
Cabling Widths	150-600mm
Cabling Depths	45-101mm
Load Capabilities	50kg/m to 100kg/m
Trapezes Supplied?	With Kit (K) orders only
Standard Finish	Hot Dip Galvanised [H]
Additional Painting/ Powder Coating options?	Yes

For the support of high volumes of heavyweight cables over long distances, cable ladder offers a quickly installed, but strong and long term solution.

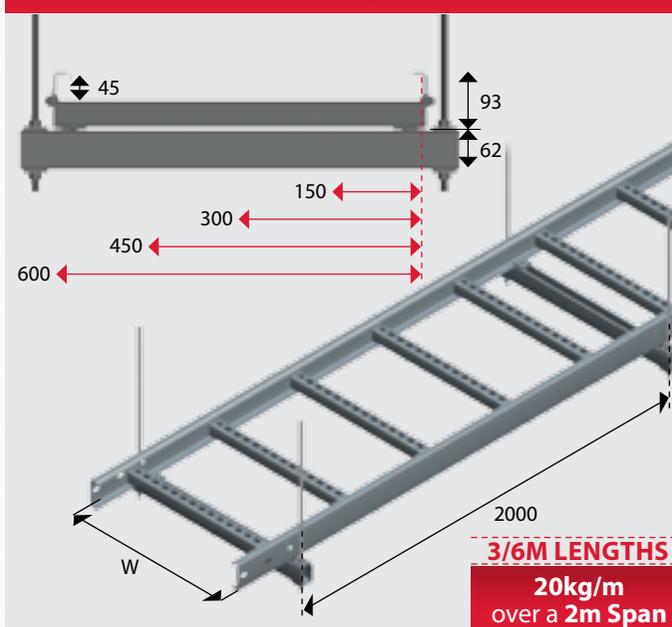
EzyStrut was the first company to offer an AS/NZS3013:2005 Fire Rated cable ladder. Since that time the range has grown and developed to maintain our position. Today, we have the strongest and most efficient to install ladders that provide the best value to project managers.

All ladders are manufactured with precision, using our latest robotic manufacturing equipment.

Trapeze kits for installation are supplied with all fire rated cable ladders, and must be used to ensure compliance with AS/NZS3013:2005.



## FR20 CABLE LADDER

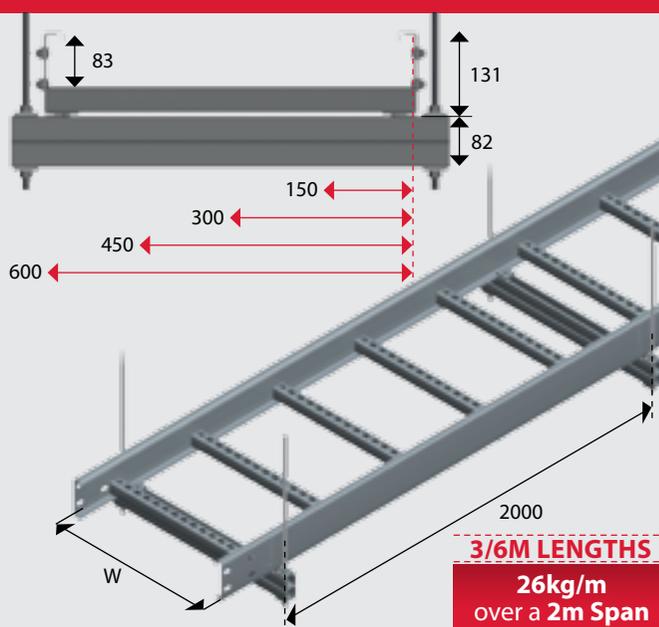


**3/6M LENGTHS**  
**20kg/m**  
over a 2m Span

- Rated load of 20kg per metre
- 45mm Cable Laying Depth
- 2000mm Trapeze Support Spacing
- 3 or 6m lengths
- M12 Threaded Rod

	Kit Ordering Code	Cable Laying Width - W (mm)	Trapeze Width (mm)
6m	FR20 L 150 6 K [H]	150	260
	FR20 L 300 6 K [H]	300	410
	FR20 L 450 6 K [H]	450	560
	FR20 L 600 6 K [H]	600	710
3m	FR20 L 150 3 K [H]	150	260
	FR20 L 300 3 K [H]	300	410
	FR20 L 450 3 K [H]	450	560
	FR20 L 600 3 K [H]	600	710

## FR26 CABLE LADDER

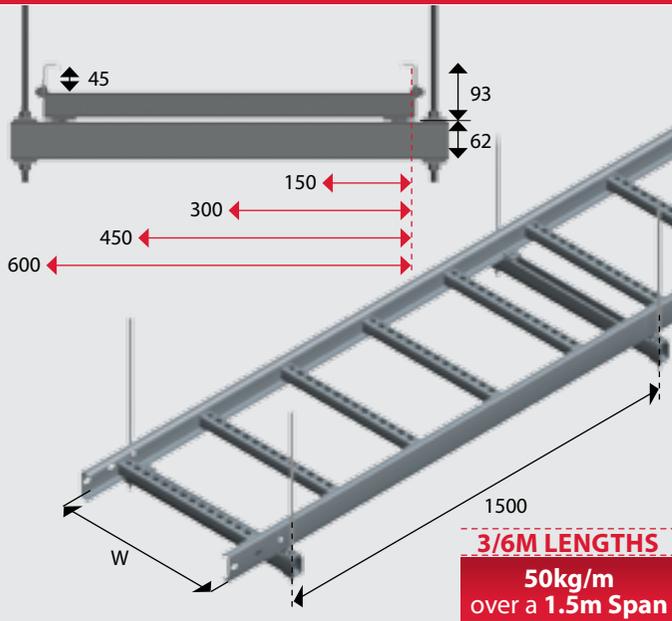


**3/6M LENGTHS**  
**26kg/m**  
over a 2m Span

- Rated load of 26kg per metre
- 83mm Cable Laying Depth
- 2000mm Trapeze Support Spacing
- 3 or 6m lengths
- M12 Threaded Rod

	Kit Ordering Code	Cable Laying Width - W (mm)	Trapeze Width (mm)
6m	FR26 L 150 6 K [H]	150	260
	FR26 L 300 6 K [H]	300	410
	FR26 L 450 6 K [H]	450	560
	FR26 L 600 6 K [H]	600	710
3m	FR26 L 150 3 K [H]	150	260
	FR26 L 300 3 K [H]	300	410
	FR26 L 450 3 K [H]	450	560
	FR26 L 600 3 K [H]	600	710

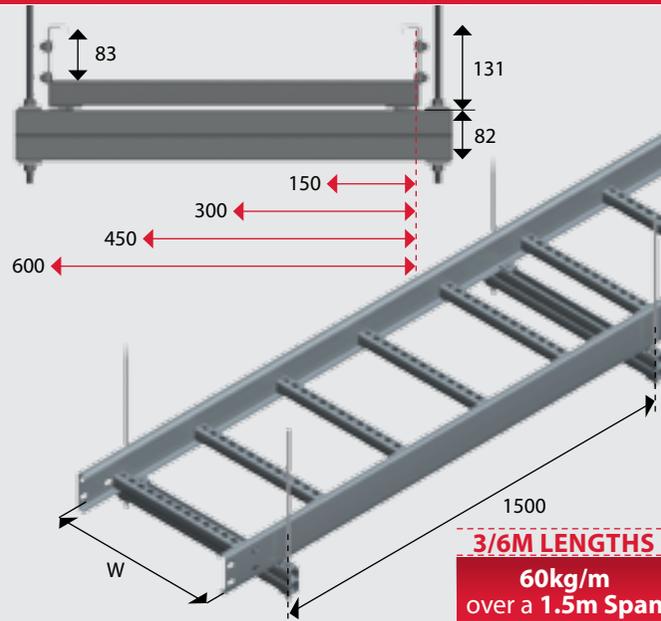
## FR50 CABLE LADDER



- Rated load of 50kg per metre
- 45mm Cable Laying Depth
- 1500mm Trapeze Support Spacing
- 3 or 6m lengths
- M12 Threaded Rod
- Same spans for vertical and on-edge configuration

	Kit Ordering Code	Cable Laying Width - W (mm)	Trapeze Width (mm)
6m	FR50 L 150 6 K [H]	150	260
	FR50 L 300 6 K [H]	300	410
	FR50 L 450 6 K [H]	450	560
	FR50 L 600 6 K [H]	600	710
3m	FR50 L 150 3 K [H]	150	260
	FR50 L 300 3 K [H]	300	410
	FR50 L 450 3 K [H]	450	560
	FR50 L 600 3 K [H]	600	710

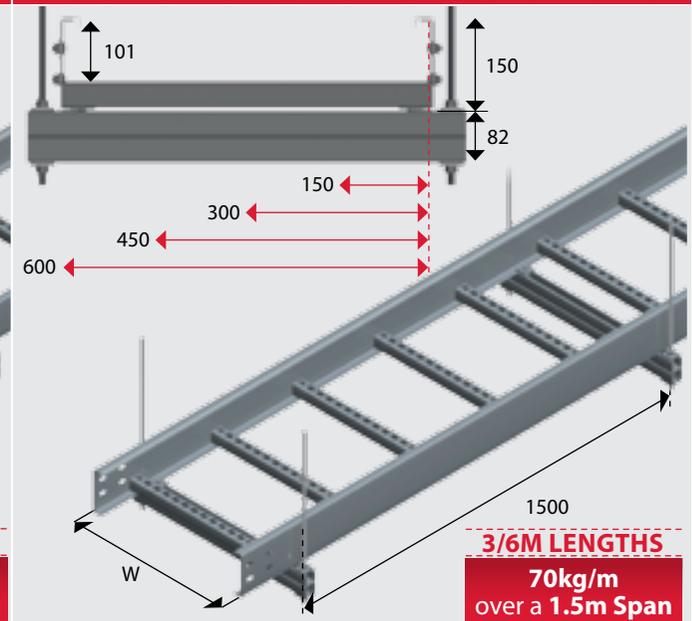
## FR60 CABLE LADDER



- Rated load of 60kg per metre
- 83mm Cable Laying Depth
- 1500mm Trapeze Support Spacing
- 3 or 6m lengths
- M12 Threaded Rod
- Same spans for vertical and on-edge configuration

	Kit Ordering Code	Cable Laying Width - W (mm)	Trapeze Width (mm)
6m	FR60 L 150 6 K [H]	150	260
	FR60 L 300 6 K [H]	300	410
	FR60 L 450 6 K [H]	450	560
	FR60 L 600 6 K [H]	600	710
3m	FR60 L 150 3 K [H]	150	260
	FR60 L 300 3 K [H]	300	410
	FR60 L 450 3 K [H]	450	560
	FR60 L 600 3 K [H]	600	710

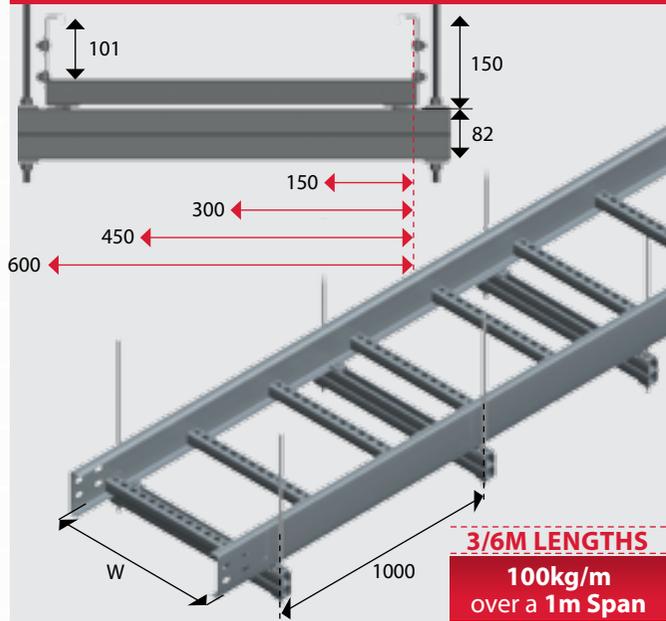
## FR70 CABLE LADDER



- Rated load of 70kg per metre
- 101mm Cable Laying Depth
- 1500mm Trapeze Support Spacing
- 3 or 6m lengths
- M12 Threaded Rod
- Same spans for vertical and on-edge configuration

	Kit Ordering Code	Cable Laying Width - W (mm)	Trapeze Width (mm)
6m	FR70 L 150 6 K [H]	150	260
	FR70 L 300 6 K [H]	300	410
	FR70 L 450 6 K [H]	450	560
	FR70 L 600 6 K [H]	600	710
3m	FR70 L 150 3 K [H]	150	260
	FR70 L 300 3 K [H]	300	410
	FR70 L 450 3 K [H]	450	560
	FR70 L 600 3 K [H]	600	710

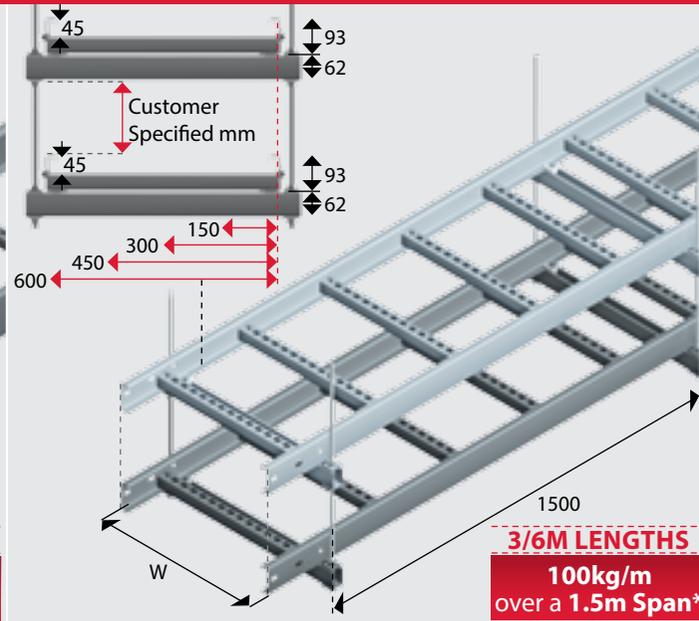
## FR100 CABLE LADDER



- Rated load of 100kg per metre
- 101mm Cable Laying Depth
- 1000mm Trapeze Support Spacing
- 3 or 6m lengths
- M12 Threaded Rod

	Kit Ordering Code	Cable Laying Width - W (mm)	Trapeze Width (mm)
6m	FR100 L 150 6 K [H]	150	260
	FR100 L 300 6 K [H]	300	410
	FR100 L 450 6 K [H]	450	560
	FR100 L 600 6 K [H]	600	710
3m	FR100 L 150 3 K [H]	150	260
	FR100 L 300 3 K [H]	300	410
	FR100 L 450 3 K [H]	450	560
	FR100 L 600 3 K [H]	600	710

## FR100D CABLE LADDER (Double Stack)

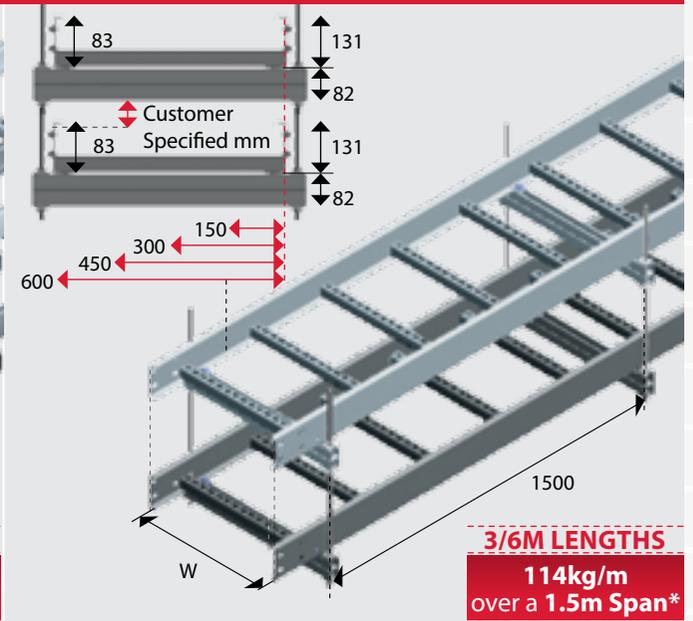


- Rated load of 100kg per metre [2x stacked 50kg/m ladders]
- 90mm Cable Laying Depth [2x stacked 45mm deep ladders]
- 1500mm Trapeze Support Spacing
- 3 or 6m lengths
- M12 Threaded Rod

	Kit Ordering Code	Cable Laying Width - W (mm)	Trapeze Width (mm)
6m	FR100D L 150 6 K [H]	150 x2	260
	FR100D L 300 6 K [H]	300 x2	410
	FR100D L 450 6 K [H]	450 x2	560
	FR100D L 600 6 K [H]	600 x2	710
3m	FR100D L 150 3 K [H]	150 x2	260
	FR100D L 300 3 K [H]	300 x2	410
	FR100D L 450 3 K [H]	450 x2	560
	FR100D L 600 3 K [H]	600 x2	710

\*50kg/m on each ladder maximum for a total of 100kg/m  
Requires Grade 8.8 Threaded Rod

## FR114D CABLE LADDER (Double Stack)



- Rated load of 114kg per metre [2x stacked 57kg/m ladders]
- 166mm Cable Laying Depth [2x stacked 83mm deep ladders]
- 1500mm Trapeze Support Spacing
- 3 or 6m lengths
- M12 Threaded Rod

	Kit Ordering Code	Cable Laying Width - W (mm)	Trapeze Width (mm)
6m	FR114D L 150 6 K [H]	150 x2	260
	FR114D L 300 6 K [H]	300 x2	410
	FR114D L 450 6 K [H]	450 x2	560
	FR114D L 600 6 K [H]	600 x2	710
3m	FR114D L 150 3 K [H]	150 x2	260
	FR114D L 300 3 K [H]	300 x2	410
	FR114D L 450 3 K [H]	450 x2	560
	FR114D L 600 3 K [H]	600 x2	710

\*57kg/m on each ladder maximum for a total of 114kg/m  
Requires Grade 8.8 Threaded Rod



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**Disclaimer**

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Photo: The Royal Hobart Hospital (RHH) redevelopment - artist impression of K-Block  
Source: <http://www.rhhredevelopment.tas.gov.au/>

AS/NZS3013:2005  
**FIRE RATED**  
CABLE SUPPORT SYSTEMS



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