



by  Ten47

# Cable Protection Systems



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# Introduction

Cableguards are manufactured in Scotland using high grade virgin polyurethane to our custom specification. It is extremely durable and a very cost-effective solution for the lifetime of the product. Over the years, we have developed an ever-expanding offering with three product lines. Blackline for smaller cables, Redline for larger cables and Redfloor is our modular system for large cables, channel counts and shallow ramps for sites with large numbers of people or wheelchair access.

The most important consideration when ordering Cableguards is the size of the cable or hose going through it, which affects the channel size. In general, it is far more cost effective to have spare channels than have a larger Cableguard than you need. The following table provides a list by size of the Cableguards we currently supply. If you have a particular need for a different channel number for a size and a reasonable quantity, then please consult with the factory to see if we can accommodate.

| Channel Size | No. of Channels | Type                 | Part Number | Page |
|--------------|-----------------|----------------------|-------------|------|
| 19mm         | 1               | Blackline            | BL1-19/65   | 11   |
| 19mm         | 1               | Blackline Wheelchair | BL1-19-WR   | 27   |
| 19mm         | 2               | Blackline            | BL2-19/65   | 11   |
| 19mm         | 2               | Blackline Wheelchair | BL2-19-WR   | 28   |
| 19mm         | 3               | Blackline            | BL3-19/65   | 11   |
| 19mm         | 3               | Blackline Wheelchair | BL3-19-WR   | 29   |
| 19mm         | 5               | Blackline            | BL5-19/33   | 11   |
| 19mm         | 5               | Blackline Wheelchair | BL5-19-WR   | 30   |
| 31mm*        | 5               | Redline              | RL5-31-LW   | 14   |
| 31mm*        | 5               | Red Floor Centre     | RF5-31-C    | 36   |
| 33mm         | 2               | Redline              | RL2-32-22   | 16   |
| 33mm         | 3               | Redline              | RL3-32-22   | 17   |
| 34mm         | 5               | Redline              | RL5-32-22   | 18   |
| 44mm         | 1               | Red Floor Dropover   | RFD-1-44    | 45   |
| 55mm         | 3               | Redline              | RL3-55-LW   | 21   |
| 55mm         | 3               | Red Floor            | RF3-55-C    | 36   |
| 55mm         | 4               | Redline              | RL4-55      | 23   |
| 55mm         | 5               | Redline              | RL5-55      | 24   |
| 60mm         | 3               | Redline              | RL3-60      | 25   |

\* There is the option to order these parts with a scalloped lid to accommodate up to 33mm cables pages 19 and 40.

The Red Floor system can be configured to use either standard or wheelchair ramps and multiple centre sections.



Black Line 3 Channel

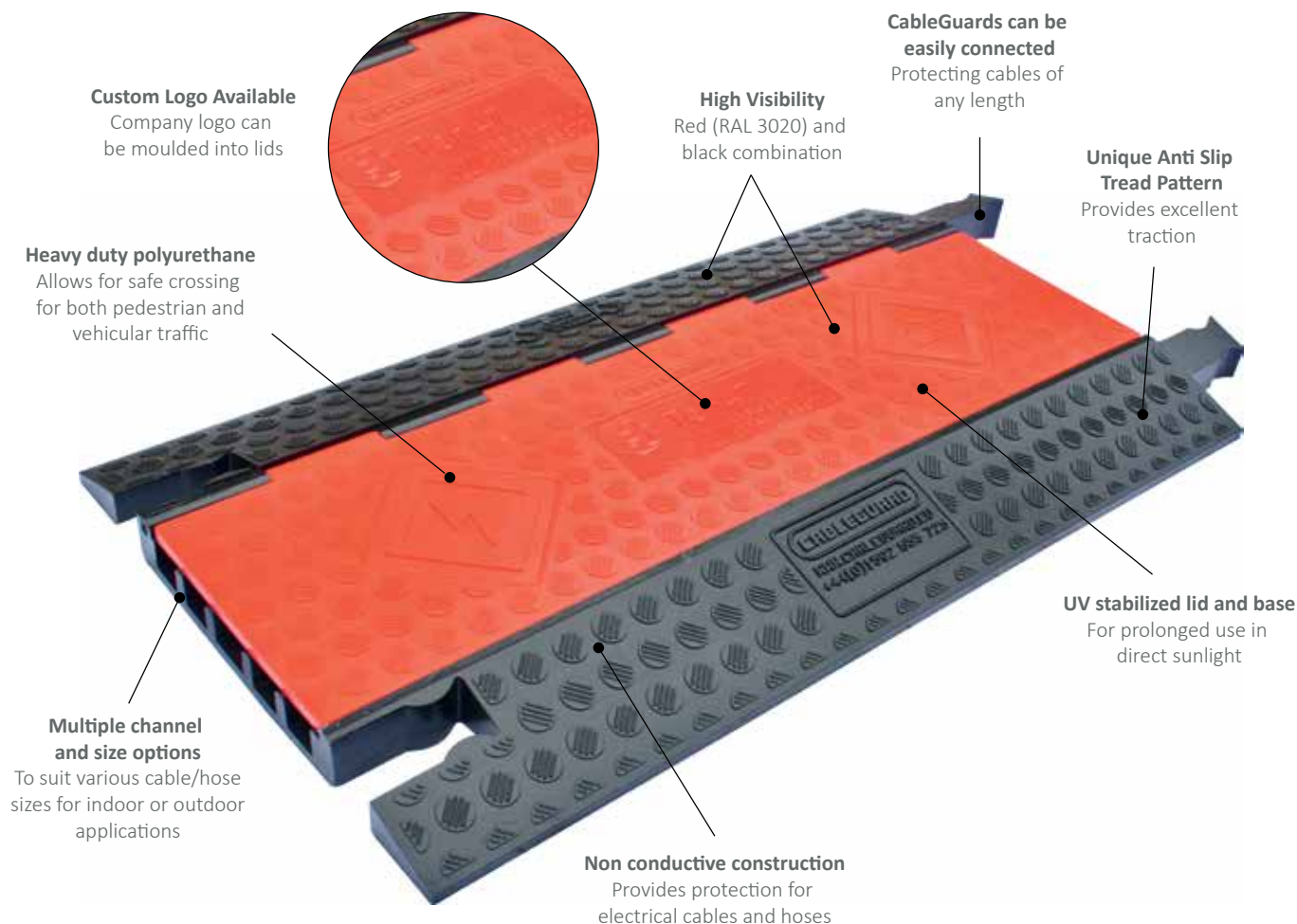


Black Line 5 Channel  
Mobility Access Ramp



Red Line 5 Channel

# CableGuard Features



| SPECIFICATION              | DESCRIPTION                                                                                                                         |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| IEC 60529:                 | Degrees of Protection provided by enclosures IP30XC.                                                                                |
| EN13501-1 (B2):            | Fire Resistance Class B2.                                                                                                           |
| Statutory Instrument 1994: | 3260 The Electrical Equipment (Safety) Regulations 1994.                                                                            |
| RoHS Directive 2002/95/EC: | The Restriction of Hazardous Substances                                                                                             |
| IEC 80243 / ASTM D149:     | Dielectric Strength 220KV maximum (Black Line = 110KV max).                                                                         |
| Bs7671: 2018.              | Requirements for Electrical Installations / IEE Wiring Regulations 18th Edition                                                     |
| Clause 412-03              | Protection by barriers or enclosures.                                                                                               |
| Bs7909: 2023.              | Code of practice for temporary electrical systems for entertainment and related purpose. Clause 8.8 Protection of cables on ground. |
| ISO 62 / ASTM D570:        | Water Absorption <1% after 24 hours immersion.                                                                                      |
| Volume Resistivity:        | 1.3Tera Ohms / cm                                                                                                                   |
| Operating Temperature:     | Operating Temperature: -40°C / +49°C                                                                                                |
| DIN 51130:                 | Slip Resistance Testing rating R11                                                                                                  |

# Product Range



## Cable Covers

Low profile single channel cable covers for use with pedestrian traffic and low volume vehicular traffic. Ideal for protecting a wide range of cables with overall diameters up to 12mm or 20mm.



## Black Line Cable Ramps

1, 2, 3 and 5 channel cable ramps ideal for pedestrian traffic and low volume vehicular traffic. Highly visible with black lids, red base and red side ramps.



## Red Line Cable Ramps

3, 4 and 5 channel heavy duty cable ramps ideal for high volume vehicular traffic. Highly visible with red extra thick lids, black base and black side ramps.



## Black Line Mobility Ramps

DDA compliant mobility access ramps for use with pedestrian traffic and low volume vehicular traffic.



## Red Floor 3 Mobility Access Ramps and Kits

3 channel heavy duty modular cable protection system with DDA compliant mobility access ramps, for use with high volume vehicular and all pedestrian traffic.



## Red Floor 5 Mobility Access Ramps and Kits

5 channel heavy duty modular cable protection system with DDA compliant mobility access ramps, for use with high volume vehicular and all pedestrian traffic.

# CableGuard in Action



CableGuard products have many different applications, our cable covers can be used for just about any application to protect small diameter electrical cables from damage and prevention from tripping.

Ideal for internal or external use in areas such as schools, offices, theatres, gardens or building sites. Our standard ranges are used to protect large electrical cables, pipes and hoses. Some typical applications would be sporting events, concerts, venues and stadia, large industrial factories or complex, docks, markets, mining and construction sites.

We have supplied many high profile events, venues and industrial sites with a growing list of new applications.

See more of our CableGuards in action on our website [www.cableguard.com](http://www.cableguard.com)



# Single Channel Cable Covers

Low Profile Single Channel Cable Covers  
for use with pedestrian traffic and low  
volume vehicular traffic.



# Single Channel Cable Cover | CC1 – 12/38

## Diameters up to 12mm

Low profile Single Channel Cable cover for use with pedestrian traffic and low volume vehicular traffic.

- Ideal for protecting a wide range of cables including network cabling and 13 amp mains or 16 amp power cables with an overall diameter up to 12mm.
- Suitable for internal and external applications.
- Manufactured from a proprietary UV stabilised and halogen free durable polyurethane, non-conductive material.
- Supplied as standard with either a highly visible red (RAL 3020) or black colour.
- Unique tread pattern and rubber anti slip pads to the underside to provide maximum grip.
- Easily connected together to protect any length of cable.
- Manufactured in the UK.
- Operating temperature -40°C to +49°C.



### CC1-12/38

|                         |         |
|-------------------------|---------|
| No. of Channels         | 1       |
| Channel Size W x H (mm) | 38 x 12 |
| Height (mm)             | 22      |
| Width (mm)              | 133     |
| Length (mm)             | 765     |
| Weight (kg)             | 1.1     |

\* Dimensions and weights are nominal and accurate to approximately 1%



# Single Channel Cable Cover | CC1 – 20/45

## Diameters up to 20mm

Low profile Single Channel Cable cover for use with pedestrian traffic and low volume vehicular traffic.

- Ideal for protecting a wide range of cables or hoses including 32 amp 1ph/3ph power cabling and pneumatic air hoses with an overall diameter up to 20mm.
- Suitable for internal and external applications.
- Manufactured from a proprietary UV stabilised and halogen free durable polyurethane, non-conductive material.
- Supplied as standard with either a highly visible red (RAL 3020) or black colour.
- Unique tread pattern and rubber anti slip pads to the underside to provide maximum grip.
- Easily connected together to protect any length of cable.
- Manufactured in the UK.
- Operating temperature -40°C to +49°C.



| CC1-20/45               |         |
|-------------------------|---------|
| No. of Channels         | 1       |
| Channel Size W x H (mm) | 45 x 20 |
| Height (mm)             | 32      |
| Width (mm)              | 220     |
| Length (mm)             | 770     |
| Weight (kg)             | 2.5     |

\* Dimensions and weights are nominal and accurate to approximately 1%



# Black Line

## 1, 2, 3 and 5 Channel Ramps

Ideal for pedestrian traffic and low volume vehicular traffic.



# Black Line 1, 2, 3 and 5 Channel



## Low Profile

Regular use, low profile lightweight cable ramps with Bolt Down-B connectors for use with pedestrian traffic and low volume vehicular traffic.

- Available in single, two, three and five channel designs.
- The CableGuard low profile design minimises trip hazards whilst ensuring a smooth and safe crossing for vehicles, pedestrians and mobility aids.
- Highly visible with black lids, red base and red side ramps.
- Maximum load per axle 4763 Kg @ 20°C.

BL1-19/65



BL2-19/65



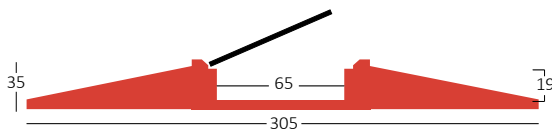
BL3-19/65



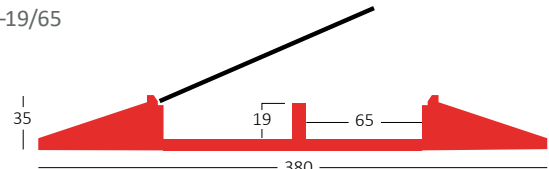
BL5-19/33



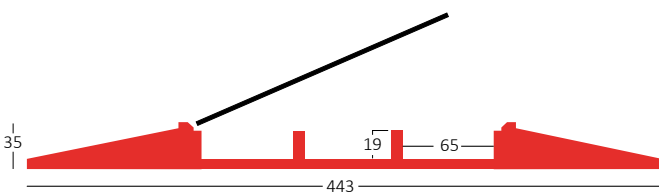
BL1-19/65



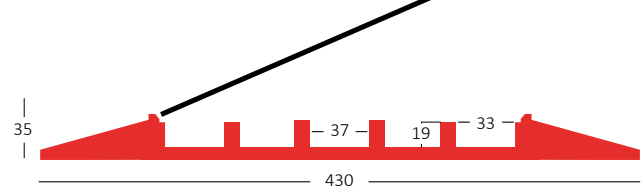
BL2-19/65



BL3-19/65



BL5-19/33



| Part Number | No. of channels | Channel Size H x W (mm)      | Height (mm) | Width (mm) | Length (mm) | Weight (kg) |
|-------------|-----------------|------------------------------|-------------|------------|-------------|-------------|
| BL1-19/65   | 1               | 19 x 65                      | 35          | 305        | 910         | 5.4         |
| BL2-19/65   | 2               | 19 x 65                      | 35          | 380        | 910         | 6.8         |
| BL3-19/65   | 3               | 19 x 65                      | 35          | 443        | 910         | 9.1         |
| BL5-19/33   | 5               | (4x) 19 x 33<br>(1x) 19 x 37 | 35          | 430        | 910         | 8.2         |

\* Dimensions and weights are nominal and accurate to approximately 1%

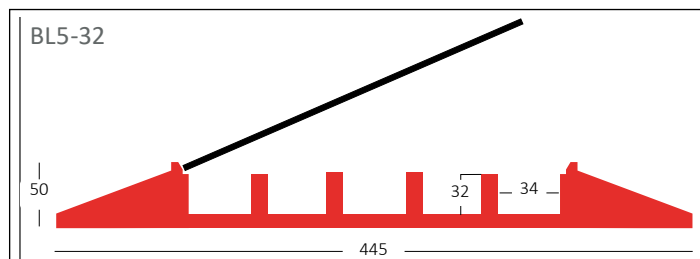
# Black Line 5 Channel



T-BONE CONNECTOR

5 Channel Regular use, lightweight cable ramps with Bolt Down-B connector for use with pedestrian traffic and low volume vehicular traffic.

- Highly visible with black lids, red base and red side ramps.
- Maximum load per axle 4763 Kg @ 20°C.



| Part Number                      | No. of channels | Channel Size H x W (mm) | Height (mm) | Width (mm) | Length (mm) | Weight (kg) |
|----------------------------------|-----------------|-------------------------|-------------|------------|-------------|-------------|
| BL5-32                           | 5               | 32 x 34                 | 50          | 445        | 910         | 10.0        |
| BL5-32-EP<br>(end piece pair)    | 5               | 32 x 34                 | 50          | 445        | 120         | 2.3         |
| BL5-32-LT<br>(left turn)         | 5               | 32 x 34                 | 50          | 483        | 640         | 6.8         |
| BL5-32-RT<br>(right turn)        | 5               | 32 x 34                 | 50          | 483        | 640         | 6.8         |
| BL5/RF5-TP<br>(transition piece) | 5               | 32 x 34                 | 50          | 510        | 450         | 7.2         |
| RF5/BL5-TP<br>(transition piece) | 5               | 32 x 34                 | 50          | 510        | 450         | 7.2         |

\* Dimensions and weights are nominal and accurate to approximately 1%

# Red Line

## 2, 3, 4 and 5 Channel Ramps

Heavy Duty Cable Ramps ideal for high volume vehicular traffic.

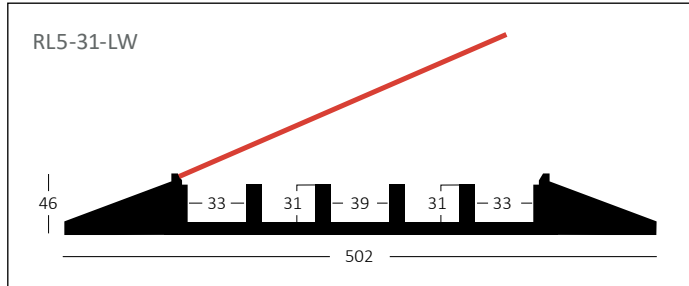
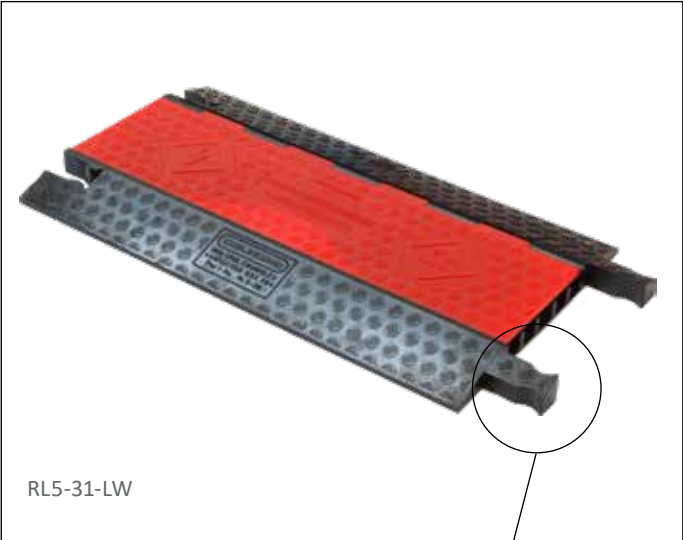




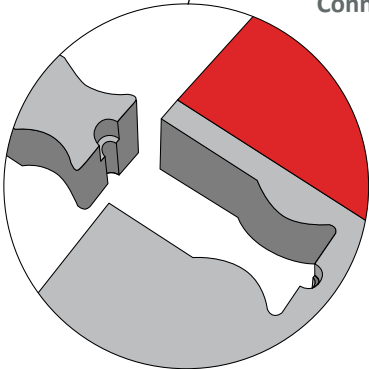
# Red Line 5 Channel | RL5-31-LW

Heavy duty 5 channel cable ramps with Bolt Down connectors for use with high volume vehicular traffic.

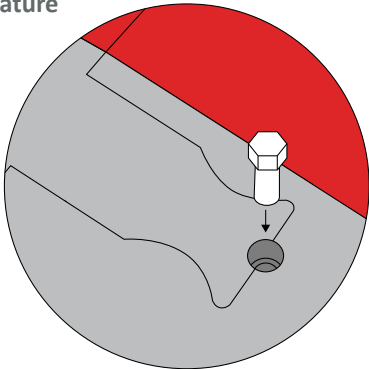
- Highly visible with red extra thick lids, black base and low angle (20°) black side ramps.
- Maximum load per axle 9140 Kg @ 20°C.



Bolt Down Connector Feature



Unassembled



Assembled

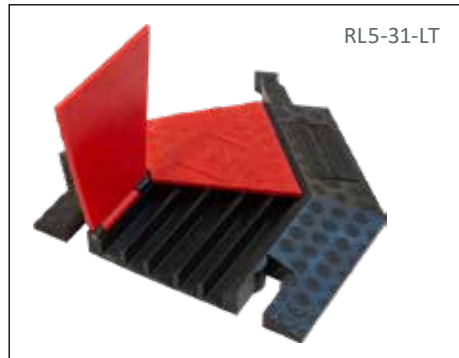
| Part Number | No. of channels | Channel Size H x W (mm)          | Height (mm) | Width (mm) | Length (mm) | Weight (kg) |
|-------------|-----------------|----------------------------------|-------------|------------|-------------|-------------|
| RL5-31-LW   | 5               | (4 x ) 31 x 33<br>(1 x ) 31 x 39 | 50          | 502        | 910         | 12.2        |

\* Dimensions and weights are nominal and accurate to approximately 1%



# Red Line 5 Accessories

Accessories include left and right turns, transition pieces to our Red Floor modular ramps and end boots.



| Part Number                      | No. of channels | Channel Size H x W (mm)          | Height (mm) | Width (mm) | Length (mm) | Weight (kg) |
|----------------------------------|-----------------|----------------------------------|-------------|------------|-------------|-------------|
| RL5-31-LT<br>(left turn 45°)     | 5               | (4 × ) 31 x 33<br>(1 × ) 31 x 39 | 50          | 502        | 640         | 6.4         |
| RL5-31-RT<br>(right turn 45°)    | 5               | (4 × ) 31 x 33<br>(1 × ) 31 x 39 | 50          | 502        | 640         | 6.7         |
| RL5/RF5-TP<br>(transition piece) | 5               | (4 × ) 31 x 33<br>(1 × ) 31 x 39 | 50          | 572        | 500         | 7.2         |
| RF5/RL5-TP<br>(transition piece) | 5               | (4 × ) 31 x 33<br>(1 × ) 31 x 39 | 50          | 572        | 500         | 7.2         |
| RL5-31-EP<br>(end piece pair)    | 5               | (4 × ) 31 x 33<br>(1 × ) 31 x 39 | 50          | 502        | 270         | 3           |

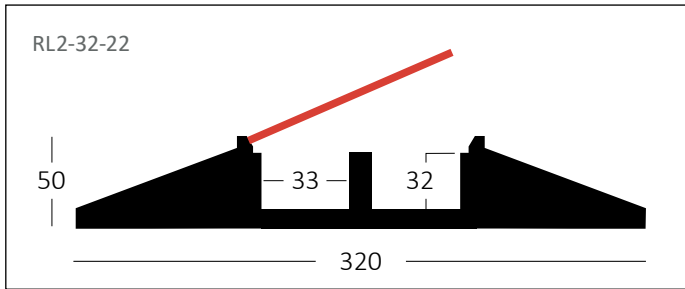
\* Dimensions and weights are nominal and accurate to approximately 1%



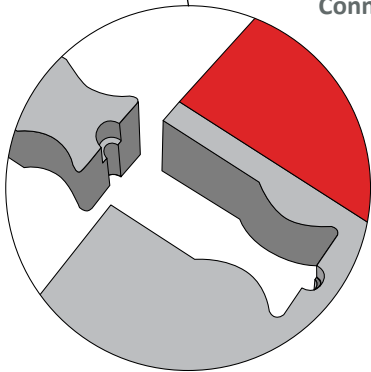
# Red Line 2 Channel 22° | RL2-32-22

Heavy Duty 2 Channel Cable Ramp with Bolt Down connectors, field proven for robustness with the ability to attach to the ground. For use with high volume pedestrian and vehicular traffic.

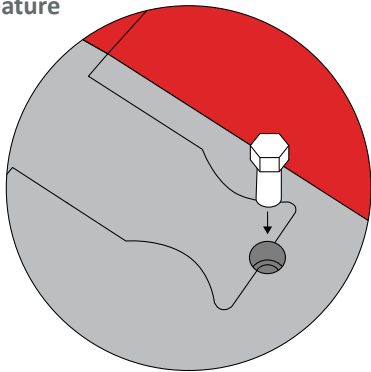
- Low angle 22° black side ramps.
- Strengthened lid hinge.
- Highly visible with red lids and black base.
- Maximum load per axle 9140 kg @ 20°C.



Bolt Hole Connector Feature



Unassembled



Assembled

| Part Number | No. of channels | Channel Size H x W (mm) | Height (mm) | Width (mm) | Length (mm) | Weight (kg) |
|-------------|-----------------|-------------------------|-------------|------------|-------------|-------------|
| RL2-32-22   | 2               | 32 x 33                 | 50          | 320        | 910         | 7           |

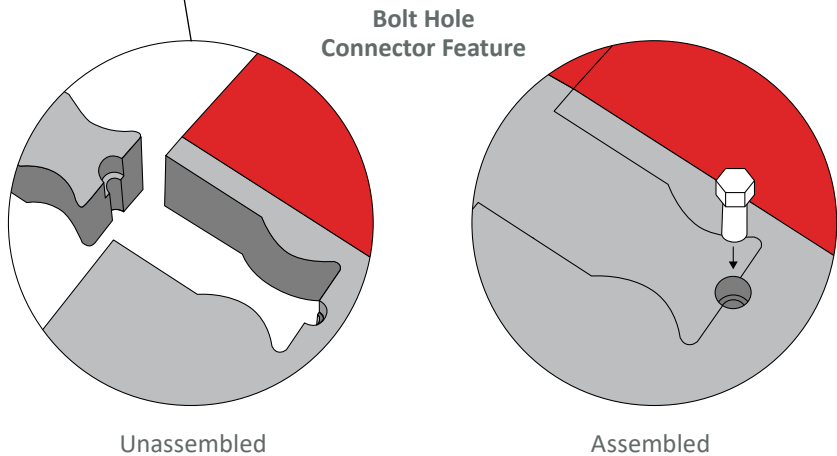
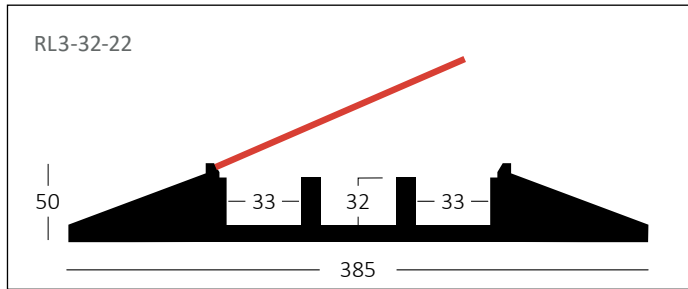
\* Dimensions and weights are nominal and accurate to approximately 1%

# Red Line 3 Channel 22° | RL3-32-22



Heavy Duty 3 Channel Cable Ramp with Bolt Down connectors, field proven for robustness with the ability to attach to the ground. For use with high volume pedestrian and vehicular traffic.

- Low angle 22° black side ramps.
- Strengthened lid hinge.
- Highly visible with red lids and black base.
- Maximum load per axle 9140 kg @ 20°C.



| Part Number | No. of channels | Channel Size H x W (mm) | Height (mm) | Width (mm) | Length (mm) | Weight (kg) |
|-------------|-----------------|-------------------------|-------------|------------|-------------|-------------|
| RL3-32-22   | 3               | 32 x 33                 | 50          | 365        | 910         | 7.25        |

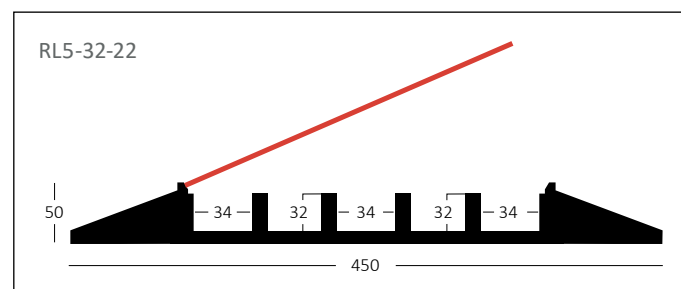
\* Dimensions and weights are nominal and accurate to approximately 1%

# Red Line 5 Channel 22° | RL5-32-22

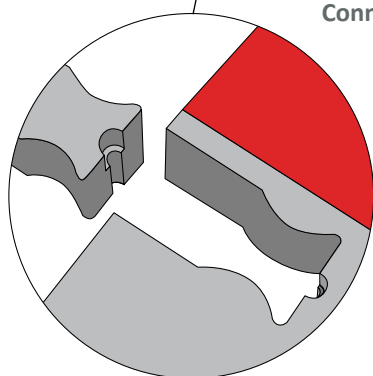


Heavy Duty 5 Channel Cable Ramp with Bolt Down connectors, field proven for robustness with the ability to attach to the ground. For use with high volume pedestrian and vehicular traffic.

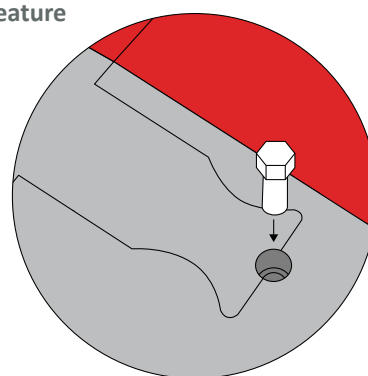
- Low angle 22° black side ramps.
- Strengthened lid hinge.
- Highly visible with red lids and black base.
- Maximum load per axle 9140 kg @ 20°C.



**Bolt Hole  
Connector Feature**



Unassembled



Assembled

| Part Number | No. of channels | Channel Size H x W (mm) | Height (mm) | Width (mm) | Length (mm) | Weight (kg) |
|-------------|-----------------|-------------------------|-------------|------------|-------------|-------------|
| RL5-32-22   | 5               | 32 x 34                 | 50          | 450        | 910         | 10          |

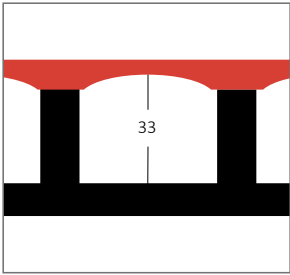
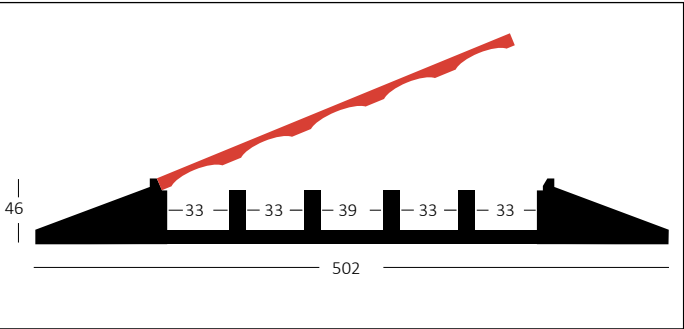
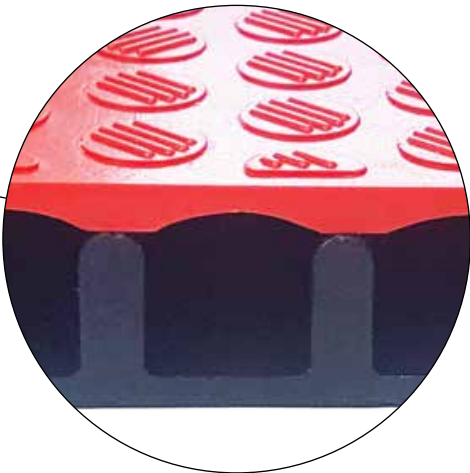
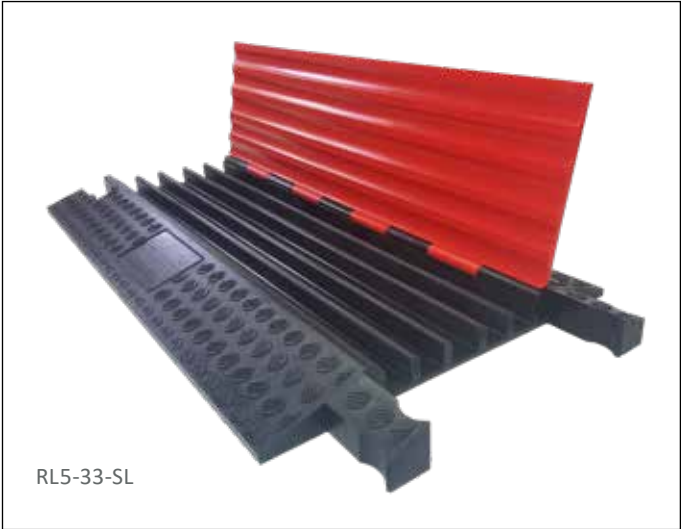
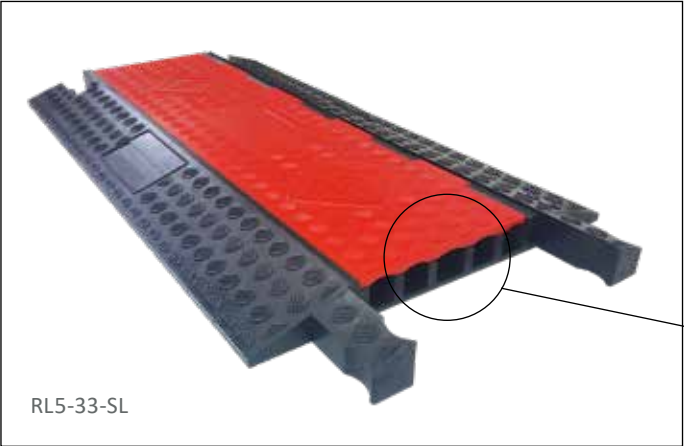
\* Dimensions and weights are nominal and accurate to approximately 1%



# Red Line 5 Channel - Scalloped Lid

Heavy duty 5 channel cable ramps with Bolt Down connectors for use with high volume vehicular traffic. Highly visible with red extra thick lids, black base and low angle (20°) black side ramps.

- Maximum load per axle 9140 Kg @ 20°C.
- Red Line 5 Channel- Scalloped Lid (RL5-33-SL) also connects directly to a Red Line 5 Channel (RL5-31-LW).



Increased channel height ideal for larger cable diameters

| Part Number | No. of channels | Channel Size H x W (mm)          | Height (mm) | Width (mm) | Length (mm) | Weight (kg) |
|-------------|-----------------|----------------------------------|-------------|------------|-------------|-------------|
| RL5-33-SL   | 5               | (4 x ) 33 x 33<br>(1 x ) 33 x 39 | 50          | 502        | 910         | 11.6        |

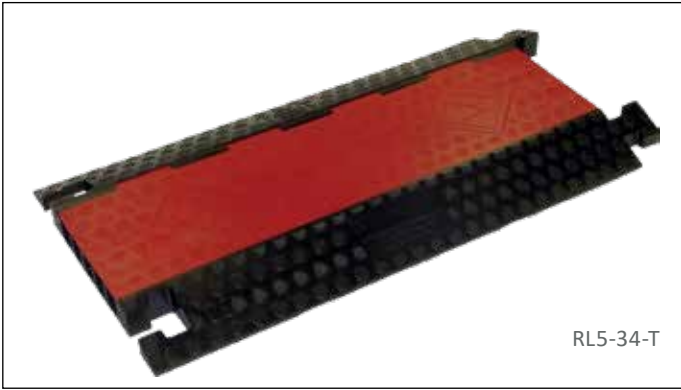
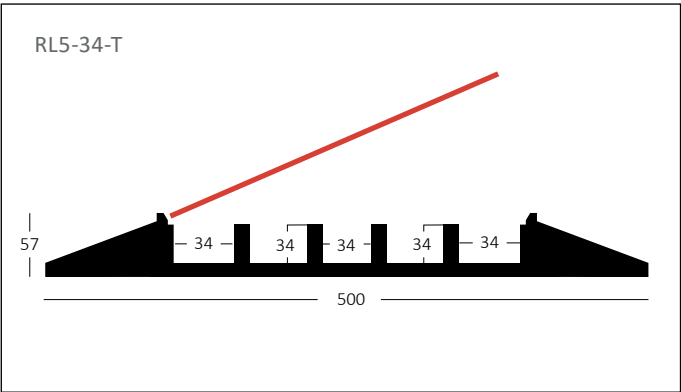
\* Dimensions and weights are nominal and accurate to approximately 1%

# Red Line 5 Channel | RL5-34-T



Heavy duty 5 channel cable ramps with Bolt Down connectors for use with high volume vehicular traffic.

- Highly visible with red extra thick lids, black base and black side ramps.
- Maximum load per axle 9140 Kg @ 20°C.



| Part Number | No. of channels | Channel Size H x W (mm) | Height (mm) | Width (mm) | Length (mm) | Weight (kg) |
|-------------|-----------------|-------------------------|-------------|------------|-------------|-------------|
| RL5-34-T    | 5               | 34 x 34                 | 57          | 500        | 910         | 12.9        |

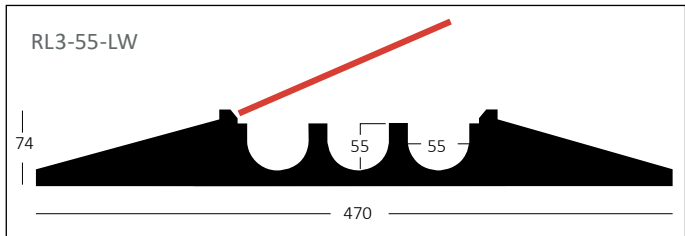
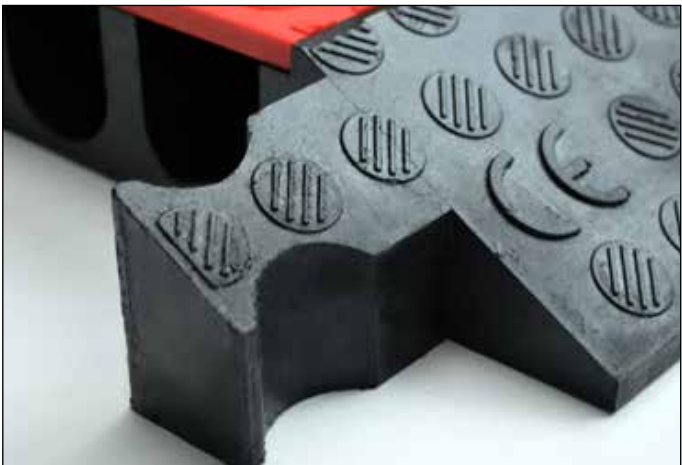
\* Dimensions and weights are nominal and accurate to approximately 1%

# Red Line 3 Channel | RL3-55-LW



Heavy duty 3 channel cable ramps with Bolt Down connectors for use with high volume vehicular traffic. Highly visible with red extra thick lids, black base and low angle (20°) black side ramps.

- Maximum load per axle 9140 Kg @ 20°C.
- Red Line 3 Channel (RL3-55-LW) also connects directly to a Red Floor 3 Channel (RF3-55).



| Part Number | No. of channels | Channel Size H x W (mm) | Height (mm) | Width (mm) | Length (mm) | Weight (kg) |
|-------------|-----------------|-------------------------|-------------|------------|-------------|-------------|
| RL3-55-LW   | 3               | 55 x 55                 | 74          | 470        | 910         | 14.5        |

\* Dimensions and weights are nominal and accurate to approximately 1%



# Red Line 3 Accessories

Accessories include left and right turns, transition pieces to our Red Floor modular ramps and end boots.



| Part Number                      | No. of channels | Channel Size H x W (mm) | Height (mm) | Width (mm) | Length (mm) | Weight (kg) |
|----------------------------------|-----------------|-------------------------|-------------|------------|-------------|-------------|
| RL3-55-LT<br>(left turn 45°)     | 3               | 55 x 55                 | 74          | 470        | 490         | 8.35        |
| RL3-55-RT<br>(right turn 45°)    | 3               | 55 x 55                 | 74          | 470        | 490         | 8.35        |
| RL3-55-T<br>(t piece)            | 3               | 55 x 55                 | 74          | 545        | 495         | 12.5        |
| RL3-55-LTS<br>(left turn 22.5°)  | 3               | 55 x 55                 | 74          | 474        | 540         | 11.1        |
| RL3-55-RTS<br>(right turn 22.5°) | 3               | 55 x 55                 | 74          | 474        | 540         | 11.1        |
| RL3-55-EP<br>(end pieces)        | 3               | 55 x 55                 | 74          | 474        | 320         | 5           |

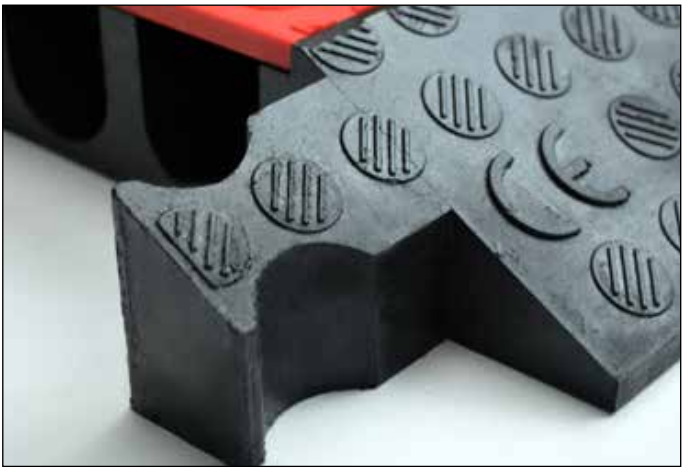
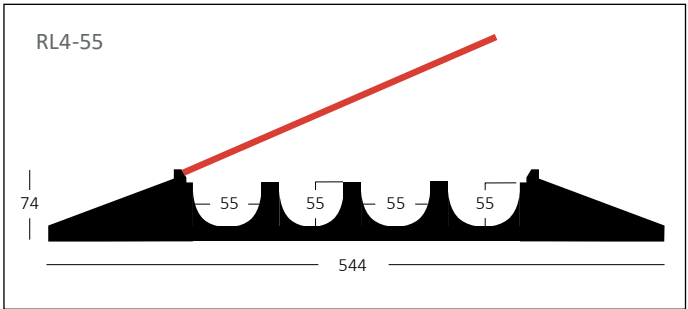
\* Dimensions and weights are nominal and accurate to approximately 1%

# Red Line 4 Channel | RL4-55



Heavy duty, lightweight 4 channel cable ramps with Bolt Down connectors for use with high volume vehicular traffic.

- Highly visible with red extra thick lids, black base and low angle (20°) black side ramps.
- Maximum load per axle 11,500 Kg @ 20°C.



| Part Number | No. of channels | Channel Size H x W (mm) | Height (mm) | Width (mm) | Length (mm) | Weight (kg) |
|-------------|-----------------|-------------------------|-------------|------------|-------------|-------------|
| RL4-55      | 4               | 55 x 55                 | 74          | 544        | 910         | 18.2        |

\* Dimensions and weights are nominal and accurate to approximately 1%

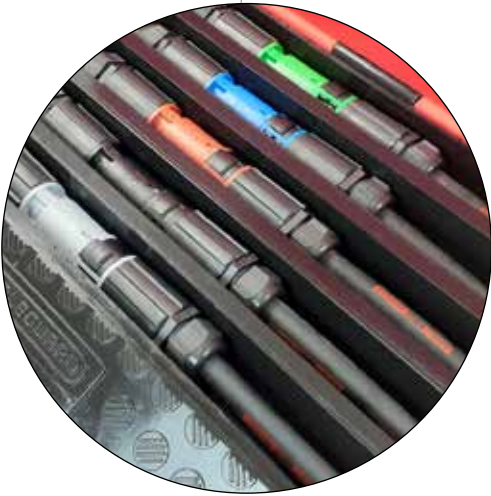
# Red Line 5 | RL5-55



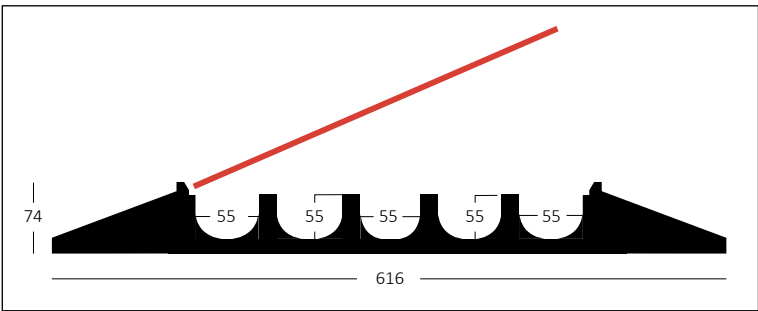
## with large 55mm channels

Heavy Duty 5 Channel cable ramp with Bolt Down connectors, for use with high volume vehicular traffic. Protects large cable or hose with diameters up to 55mm.

- Maximum load per axle 11,500Kg @ 20°C.
- Has capacity to house Powerline QC single pole connectors within each channel.



Capacity to house Powerline QC single pole connectors with 120mm<sup>2</sup> cable



| Part Number | No. of channels | Channel Size H x W (mm) | Height (mm) | Width (mm) | Length (mm) | Weight (kg) |
|-------------|-----------------|-------------------------|-------------|------------|-------------|-------------|
| RL5-55      | 5               | 55 x 55                 | 74          | 616        | 910         | 20.5        |

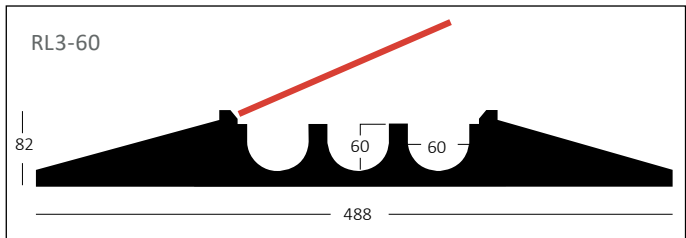
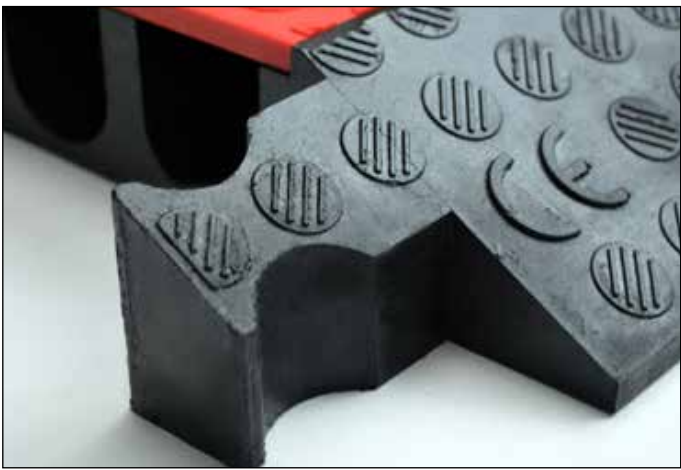
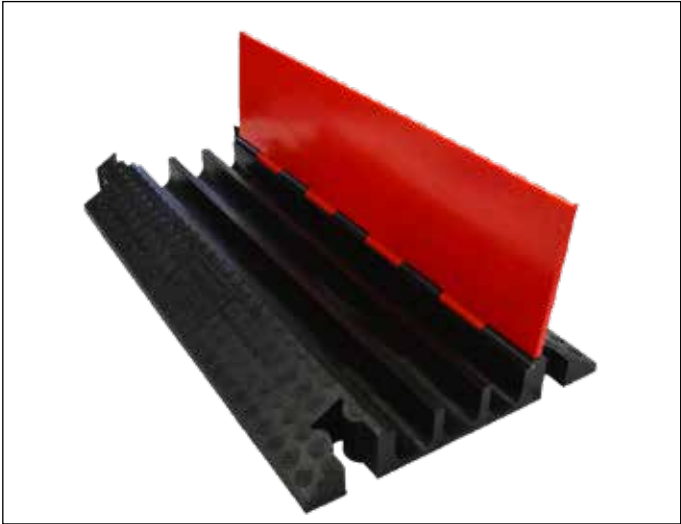
\* Dimensions and weights are nominal and accurate to approximately 1%

# Red Line 3 Channel 60mm | RL3-60



Heavy Duty 3 Channel Cable Ramp with Bolt Down connectors for use with high volume pedestrian and vehicular traffic.

- Highly visible with red lids and black base.
- Large 60mm channel size.
- Maximum load per axle 9140 kg @ 20°C.



| Part Number | No. of channels | Channel Size H x W (mm) | Height (mm) | Width (mm) | Length (mm) | Weight (kg) |
|-------------|-----------------|-------------------------|-------------|------------|-------------|-------------|
| RL3-60      | 3               | 60 x 60                 | 82          | 488        | 910         | 16.6        |

\* Dimensions and weights are nominal and accurate to approximately 1%

# Black Line

1, 2, 3 and 5 Channel  
Modular Mobility Access Ramps



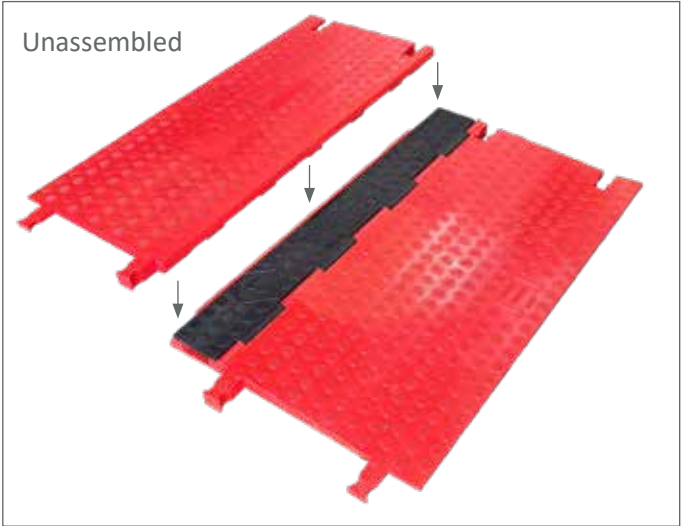
# Black Line Modular Mobility Ramp

## 1 Channel - BL1-19-WR

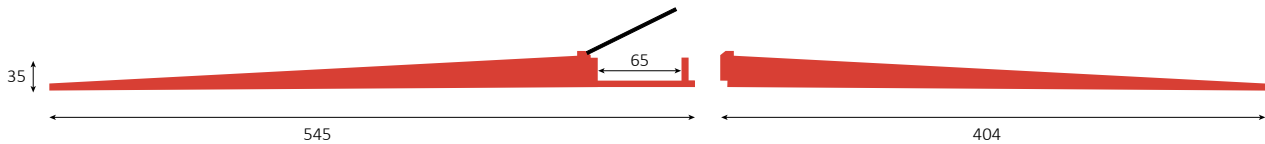


Our 2 piece Black Line Modular Mobility Access Ramps are designed for easy storage, are DDA compliant and can be used for pedestrian traffic and low volume vehicular traffic.

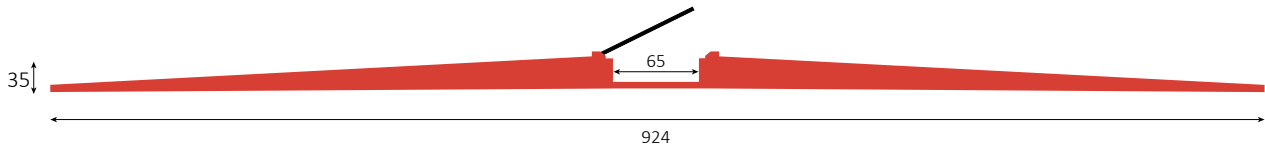
- Modular design with two detachable pieces for easy storage and portability.
- DDA compliant for pedestrian and low volume vehicular traffic.
- 1 channel (2, 3 and 5 channel versions also available).
- Black lids and red side ramps for high visibility.
- Maximum load per axle 4763 Kg @ 20°C.
- Compatible with previous single piece version.



Unassembled



Assembled



| Part Number | No. of channels | Channel Size H x W (mm) | Height (mm) | Width (mm) | Length (mm) | Weight (kg) |
|-------------|-----------------|-------------------------|-------------|------------|-------------|-------------|
| BL1-19-WR   | 1               | 19 x 65                 | 35          | 920        | 920         | 15.5        |

\* Dimensions and weights are nominal and accurate to approximately 1%

# Black Line Modular Mobility Ramp

## 2 Channel - BL2-19-WR



DDA Compliant

Bolt Down-B  
Connector

Our 2 piece Black Line Modular Mobility Access Ramps are designed for easy storage, are DDA compliant and can be used for pedestrian traffic and low volume vehicular traffic.

- Modular design with two detachable pieces for easy storage and portability.
- DDA compliant for pedestrian and low volume vehicular traffic.
- 2 channels (1,3 and 5 channel versions also available).
- Black lids and red side ramps for high visibility.
- Maximum load per axle 4763 Kg @ 20°C.
- Compatible with previous single piece version.

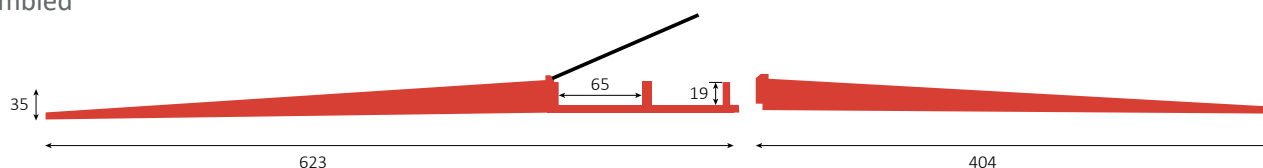
Unassembled



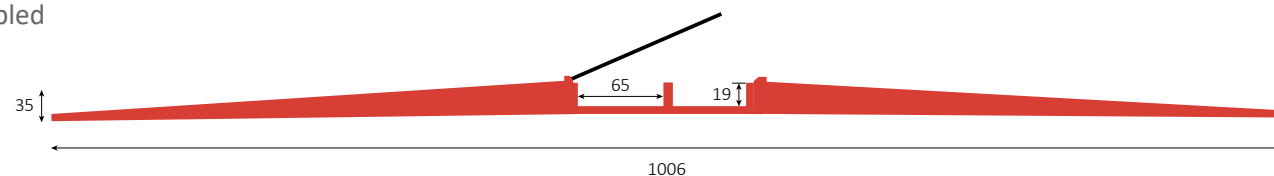
Assembled



Unassembled



Assembled



| Part Number | No. of channels | Channel Size H x W (mm) | Height (mm) | Width (mm) | Length (mm) | Weight (kg) |
|-------------|-----------------|-------------------------|-------------|------------|-------------|-------------|
| BL2-19-WR   | 2               | 19 x 65                 | 35          | 1000       | 920         | 17.8        |

\* Dimensions and weights are nominal and accurate to approximately 1%

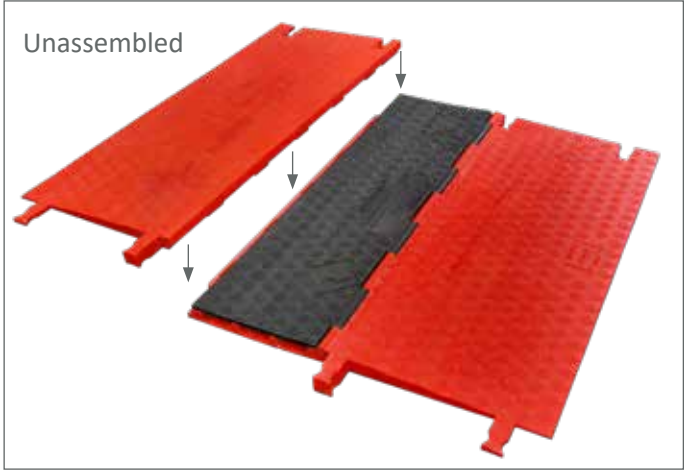
# Black Line Modular Mobility Ramp

## 3 Channel - BL3-19-WR

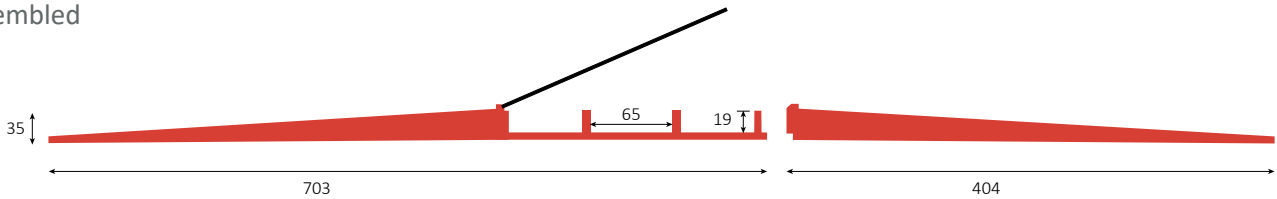


Our 2 piece Black Line Modular Mobility Access Ramps are designed for easy storage, are DDA compliant and can be used for pedestrian traffic and low volume vehicular traffic.

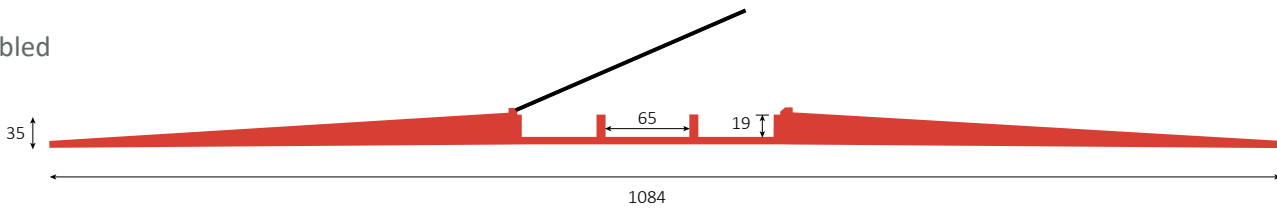
- Modular design with two detachable pieces for easy storage and portability.
- DDA compliant for pedestrian and low volume vehicular traffic.
- 3 channels (1,2 and 5 channel versions also available).
- Black lids and red side ramps for high visibility.
- Maximum load per axle 4763 Kg @ 20°C.
- Compatible with previous single piece version.



Unassembled



Assembled



| Part Number | No. of channels | Channel Size H x W (mm) | Height (mm) | Width (mm) | Length (mm) | Weight (kg) |
|-------------|-----------------|-------------------------|-------------|------------|-------------|-------------|
| BL3-19-WR   | 3               | 19 x 65                 | 35          | 1080       | 920         | 18.4        |

\* Dimensions and weights are nominal and accurate to approximately 1%

# Black Line Modular Mobility Ramp

## 5 Channel - BL5-19-WR



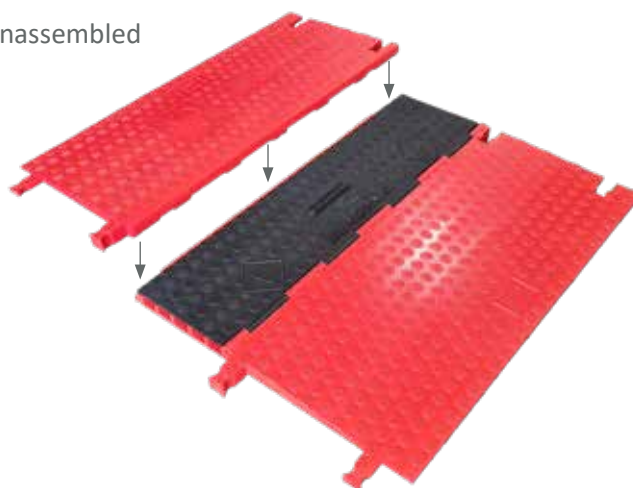
DDA Compliant

Bolt Down-B  
Connector

Our 2 piece Black Line Modular Mobility Access Ramps are designed for easy storage, are DDA compliant and can be used for pedestrian traffic and low volume vehicular traffic.

- Modular design with two detachable pieces for easy storage and portability.
- DDA compliant for pedestrian and low volume vehicular traffic.
- 5 channels (1,2 and 3 channel versions also available).
- Black lids and red side ramps for high visibility.
- Maximum load per axle 4763 Kg @ 20°C.
- Compatible with previous single piece version.

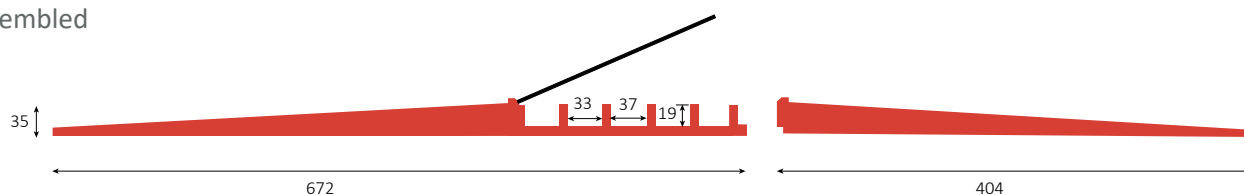
Unassembled



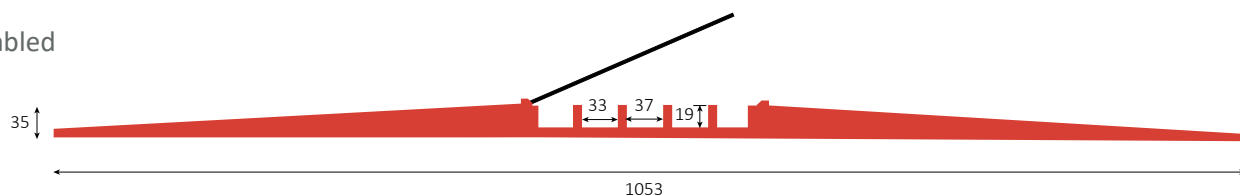
Assembled



Unassembled



Assembled



| Part Number | No. of channels | Channel Size H x W (mm)     | Height (mm) | Width (mm) | Length (mm) | Weight (kg) |
|-------------|-----------------|-----------------------------|-------------|------------|-------------|-------------|
| BL5-19-WR   | 5               | (4x) 19 x 33 / (1x) 19 x 37 | 35          | 1050       | 920         | 18.3        |

\* Dimensions and weights are nominal and accurate to approximately 1%

# Pallet Storage and Transportation Instructions

## Black Line Modular Mobility Access Ramps

### STEP 1.

Place 1st mobility ramp on the pallet.



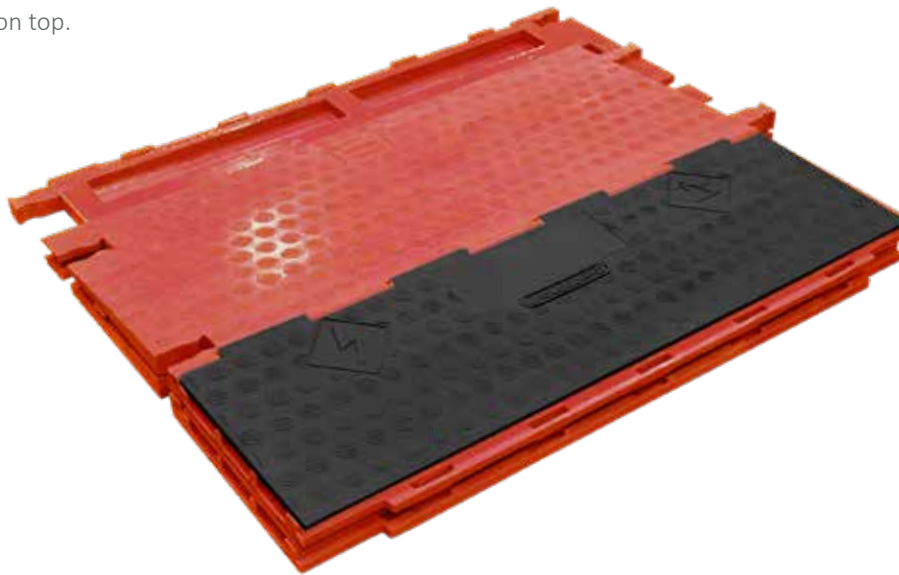
### STEP 2.

Place side ramp on top as shown.



**STEP 3.**

Place next mobility ramp on top.



**STEP 4.**

Repeat steps 2 and 3 to store all required ramps.



**PLEASE NOTE:**

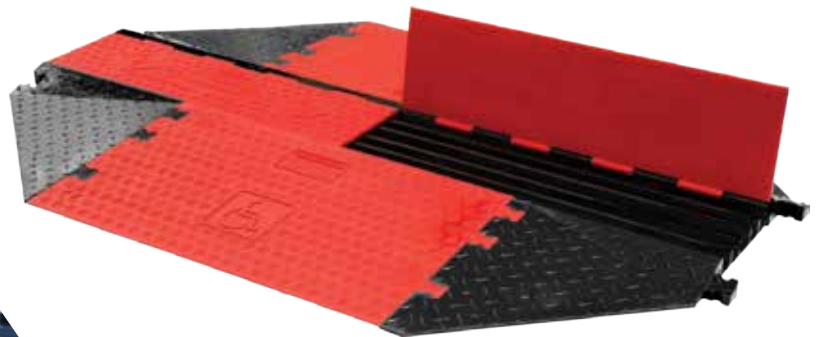
Maximum number of mobility ramps per pallet = 20

Ten 47 Limited is unable to assume liability for consequential damage to Cableguards incorrectly packaged or stored.

# Red Floor

## 2, 3 and 5 Channel Ramps

Heavy duty modular protection cable system  
with mobility access ramps.

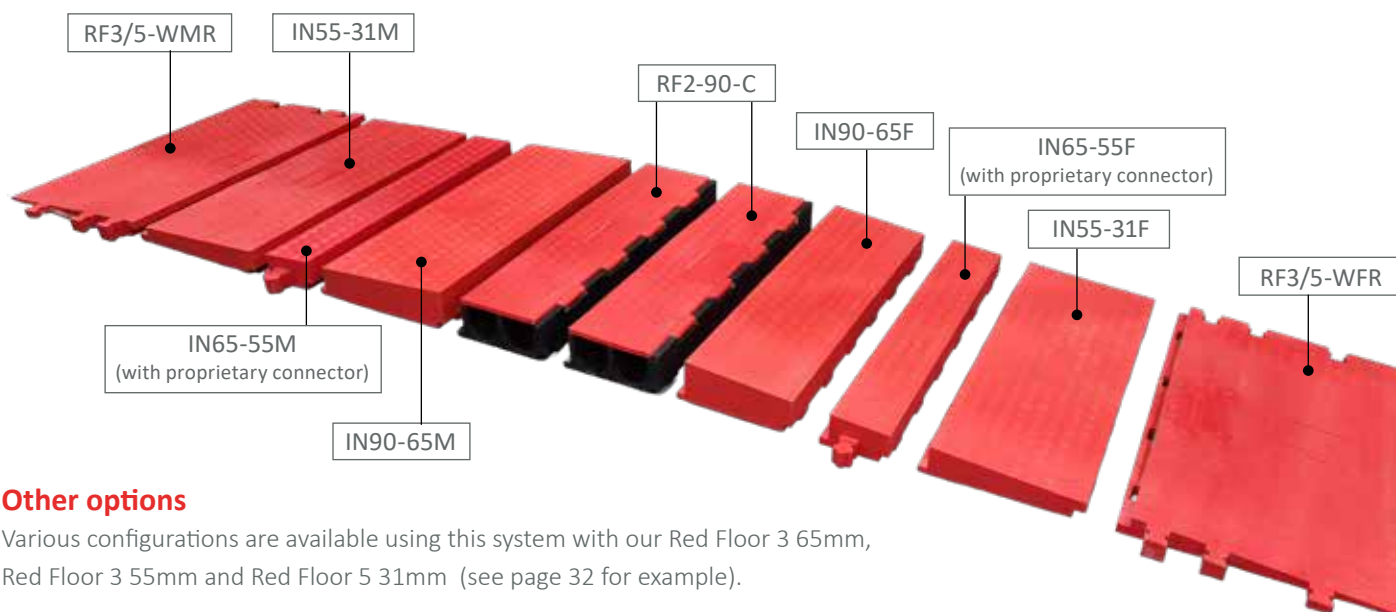


# Red Floor 2 Channel - 90mm



Heavy duty modular 2 Channel cable protection system for cables and hoses up to 90mm diameter. With DDA compliant mobility access ramps and for use with high volume vehicular and all pedestrian traffic.

- Highly visible with red extra thick lids and red bases.
- Maximum load per axle 9140 Kg @ 20°C.
- Connect the 2 channel centre pieces together to provide a flat floor surface protecting as many cables as required.



## Other options

Various configurations are available using this system with our Red Floor 3 65mm, Red Floor 3 55mm and Red Floor 5 31mm (see page 32 for example).

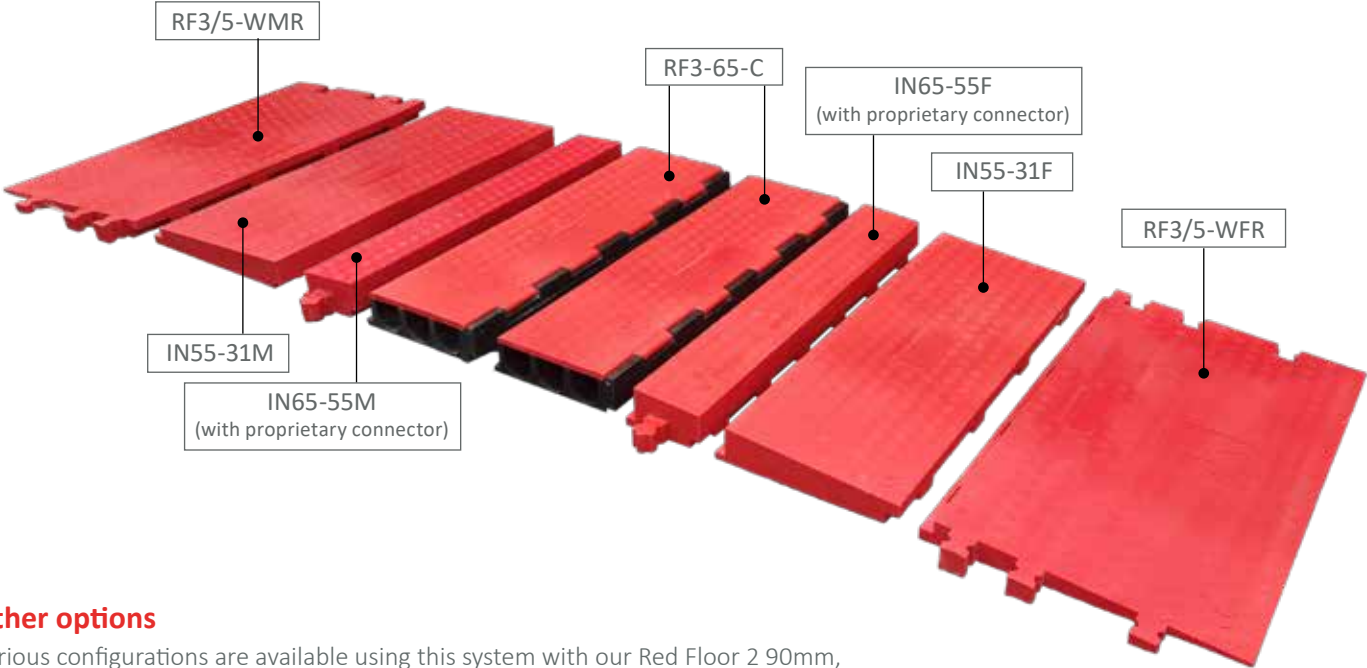
| Part Number                                   | No. of channels | Channel Size H x W (mm) | Height (mm) | Width (mm) | Length (mm) | Weight (kg) |
|-----------------------------------------------|-----------------|-------------------------|-------------|------------|-------------|-------------|
| RF3/5-WMR<br>(wheelchair male ramp)           | N/A             | N/A                     | 48          | 515        | 910         | 9.8         |
| IN55-31M<br>(55mm - 31mm intermediate male)   | N/A             | N/A                     | 77          | 405        | 910         | 11.7        |
| IN65-55M<br>(65mm - 55mm intermediate male)   | N/A             | N/A                     | 88          | 158        | 910         | 9.5         |
| IN90-65M<br>(90mm - 65mm intermediate male)   | N/A             | N/A                     | 115         | 395        | 910         | 24.3        |
| RF2-90-C<br>(centre section)                  | 2               | 90 x 90                 | 116         | 260        | 910         | 11.8        |
| IN90-65F<br>(90mm - 65mm intermediate female) | N/A             | N/A                     | 115         | 288        | 910         | 17.8        |
| IN65-55F<br>(65mm - 55mm intermediate female) | N/A             | N/A                     | 88          | 160        | 910         | 9.5         |
| IN55-31F<br>(55mm - 31mm intermediate female) | N/A             | N/A                     | 77          | 380        | 910         | 15.2        |
| RF3/5-WFR<br>(wheelchair female ramp)         | N/A             | N/A                     | 48          | 500        | 910         | 10.5        |

# Red Floor 3 Channel - 65mm



Heavy duty modular 3 Channel cable protection system for cables up to 65mm diameter. With DDA compliant mobility access ramps and for use with high volume vehicular and all pedestrian traffic.

- Highly visible with red extra thick lids and red bases.
- Maximum load per axle 9140 Kg @ 20°C.
- Connect the 3 channel centre pieces together to provide a flat floor surface protecting as many cables as required.

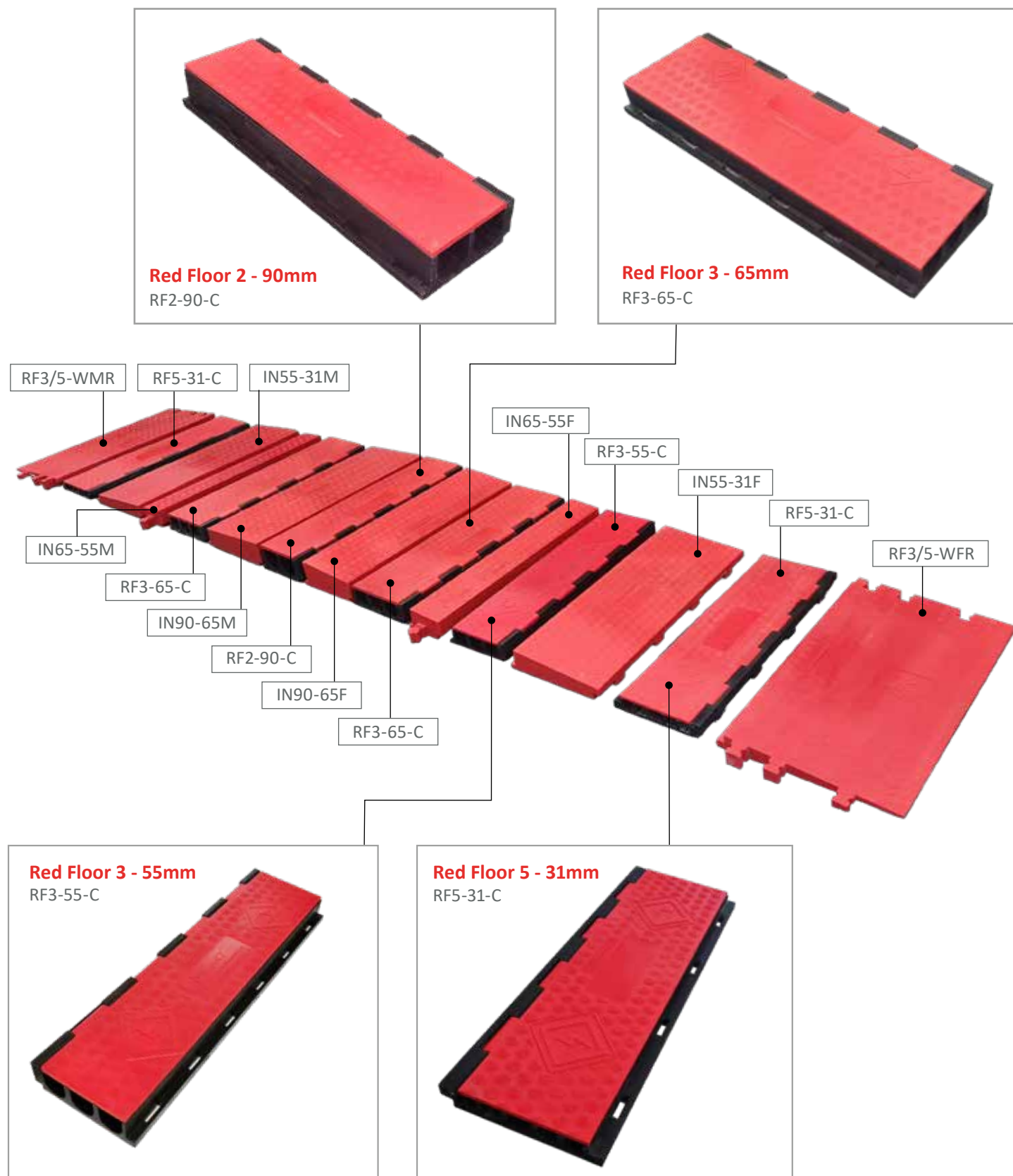


### Other options

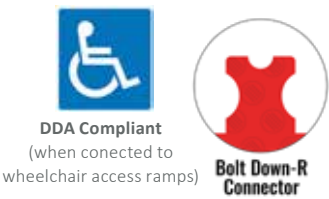
Various configurations are available using this system with our Red Floor 2 90mm, Red Floor 3 55mm and Red Floor 5 31mm (see page 32 for example).

| Part Number                                   | No. of channels | Channel Size H x W (mm) | Height (mm) | Width (mm) | Length (mm) | Weight (kg) |
|-----------------------------------------------|-----------------|-------------------------|-------------|------------|-------------|-------------|
| RF3/5-WMR<br>(wheelchair male ramp)           | N/A             | N/A                     | 48          | 515        | 910         | 9.8         |
| IN55-31M<br>(55mm - 31mm intermediate male)   | N/A             | N/A                     | 77          | 405        | 910         | 11.7        |
| IN65-55M<br>(65mm - 55mm intermediate male)   | N/A             | N/A                     | 88          | 158        | 910         | 9.5         |
| RF3-65-C<br>(centre section)                  | 3               | 65 x 65                 | 88          | 295        | 910         | 12.3        |
| IN65-55F<br>(65mm - 55mm intermediate female) | N/A             | N/A                     | 88          | 160        | 910         | 9.5         |
| IN55-31F<br>(55mm - 31mm intermediate female) | N/A             | N/A                     | 77          | 380        | 910         | 15.2        |
| RF3/5-WFR<br>(wheelchair female ramp)         | N/A             | N/A                     | 48          | 500        | 910         | 10.5        |

# Red Floor 2/3/5 Channel - Example Configuration



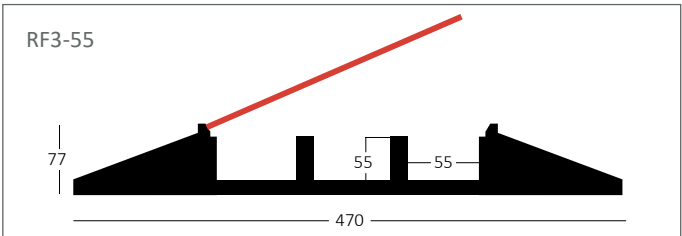
# Red Floor 3 Channel - 55mm



Heavy duty modular cable protection system with DDA compliant mobility access ramps and Bolt Down-R connectors for use with high volume vehicular and all pedestrian traffic.

- Highly visible with red extra thick lids and black base.
- Available with low angle (20°) black side ramps or red wheelchair access ramps.
- Maximum load per axle 9140 Kg @ 20°C.
- Connect the 3 channel centre pieces together provide a flat floor surface protecting as many cables as required.

**Note:** Red Line 3 Channel (RL3-55) also connects directly to a Red Floor 3 Channel (RF3-55)



| Part Number                                                 | No. of channels | Channel Size H x W (mm) | Height (mm) | Width (mm) | Length (mm) | Weight (kg) |
|-------------------------------------------------------------|-----------------|-------------------------|-------------|------------|-------------|-------------|
| RF3-55<br>(centre section, male and female ramps assembled) | 3               | 55 x 55                 | 77          | 470        | 910         | 17.8        |
| RF3-55-C<br>(centre section only)                           | 3               | 55 x 55                 | 77          | 230        | 910         | 9.3         |
| RF3-55-MR<br>(standard male ramp)                           | N/A             | N/A                     | 77          | 120        | 910         | 4.2         |
| RF3-55-FR<br>(standard female ramp)                         | N/A             | N/A                     | 77          | 120        | 910         | 4.3         |

\* Dimensions and weights are nominal and accurate to approximately 1%



# Red Floor 3 Channel Accessories

Wheelchair access ramps and corner pieces can be supplied individually or as part of the MAK 3 (3 channel Mobility Access Kit).



| Part Number                                                          | No. of channels | Channel Size<br>H × W (mm) | Height (mm) | Width (mm) | Length (mm) | Weight (kg) |
|----------------------------------------------------------------------|-----------------|----------------------------|-------------|------------|-------------|-------------|
| RF3/5-WFR<br>(wheelchair female ramp)                                | N/A             | N/A                        | 48          | 500        | 910         | 10.5        |
| RF3/5-WMR<br>(wheelchair male ramp)                                  | N/A             | N/A                        | 48          | 515        | 910         | 9.8         |
| IN55-31M<br>(55mm - 31mm intermediate male)                          | N/A             | N/A                        | 77          | 335        | 910         | 11.7        |
| IN55-31F<br>(55mm - 31mm intermediate female)                        | N/A             | N/A                        | 77          | 380        | 910         | 15.2        |
| RF3-CP-F<br>(set of 2 ramps with female connectors in corner pieces) | N/A             | N/A                        | 77          | 905        | 450         | 16.2        |
| RF3-CP-M<br>(set of 2 ramps with male connectors in corner pieces)   | N/A             | N/A                        | 77          | 905        | 450         | 16.2        |

\* Dimensions and weights are nominal and accurate to approximately 1%

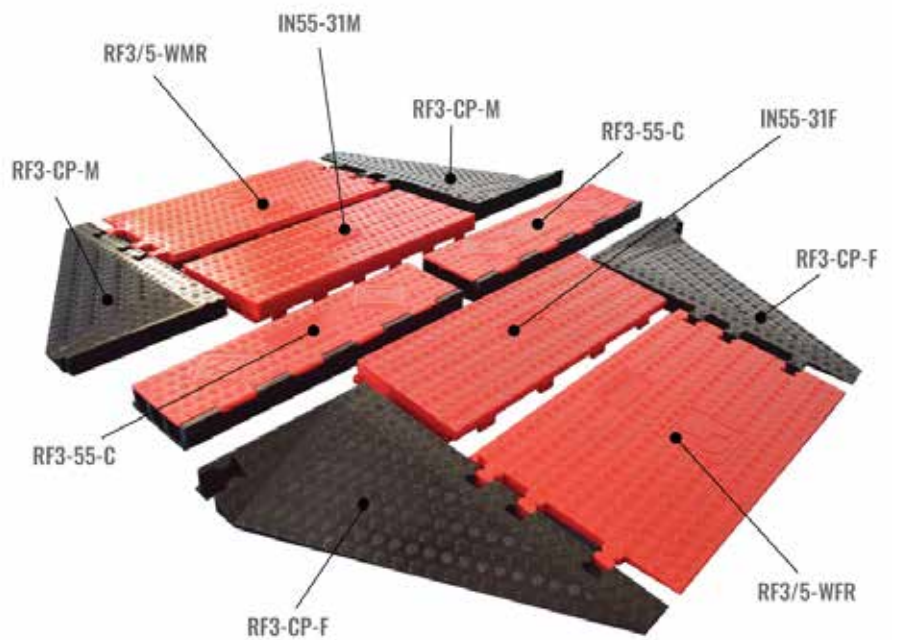
# Red Floor 3 Channel Mobility Access Kit - MAK3

Heavy duty modular protection cable system with mobility access ramps and Bolt Down-R connectors for use with high volume vehicular and all pedestrian traffic.

This kit allows a mobility access point in a run of our Red Line 3 Channel Cable Ramps (RL3-55).

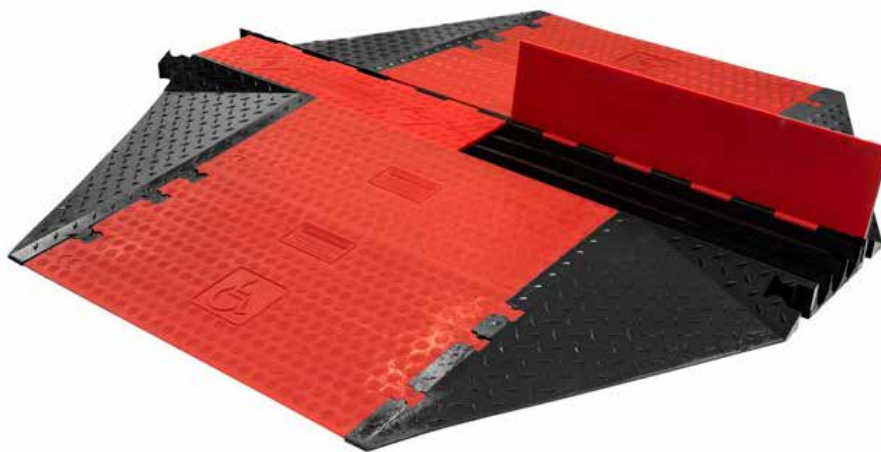
**Kit contains:**

- 2 × RF3-55-C
- 1 × RF3/5-WFR
- 1 × RF3/5-WMR
- 1 × IN55-31F
- 1 × IN55-31M
- 1 × RF3-CP-M
- 1 × RF3-CP-F



MAK3 Unassembled

MAK3 Assembled



# Red Floor 5 Channel | RF5-31

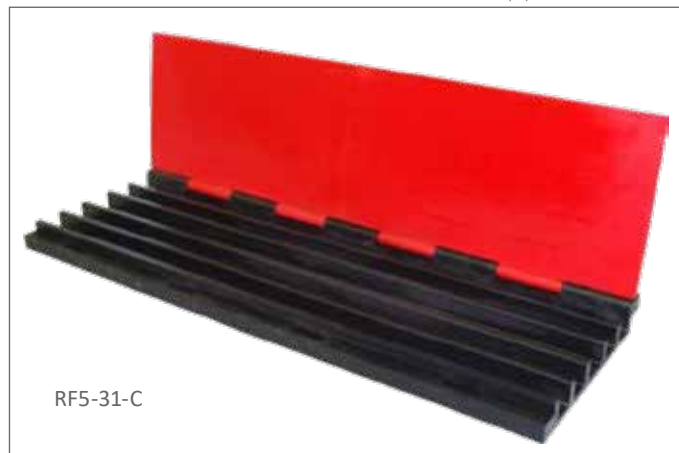


DDA Compliant  
(when connected to  
wheelchair access ramps)



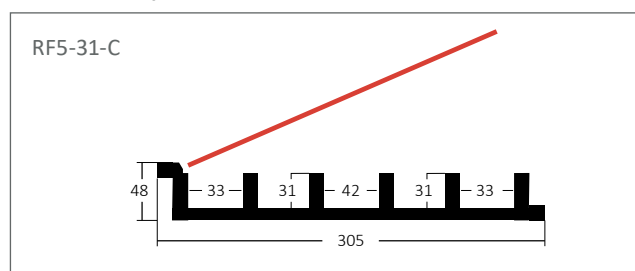
Heavy duty modular cable protection system with DDA compliant mobility access ramps and Bolt Down-R connectors for use with high volume vehicular and all pedestrian traffic.

- Highly visible with red extra thick lids, black base.
- Available with low angle (20°) black side ramps or red wheelchair access ramps.
- Maximum load per axle 9140 Kg @ 20°C.
- Connect the 5 channel centre pieces together to provide a flat floor surface protecting as many cables as required.

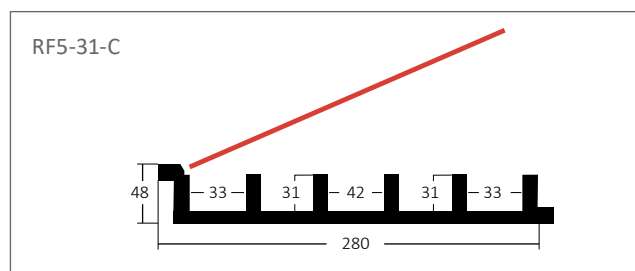


RF5-31-C

## Unassembled / Overall Dimensions



## Assembled Dimensions



RF5-31



RF5-31-MR

RF5-31-FR

| Part Number                                       | No. of channels | Channel Size H x W (mm)      | Height (mm) | Unassembled Width (mm) | Assembled Width (mm) | Length (mm) | Weight (kg) |
|---------------------------------------------------|-----------------|------------------------------|-------------|------------------------|----------------------|-------------|-------------|
| RF5-31<br>(centre section, male and female ramps) | 5               | (4x) 31 x 32<br>(1x) 31 x 42 | 48          | 534                    | 509                  | 905         | 12.7        |
| RF5-31-C<br>(centre section only)                 | 5               | (4x) 31 x 32<br>(1x) 31 x 42 | 48          | 305                    | 280                  | 905         | 7.3         |
| RF5-31-MR<br>(standard male ramp)                 | N/A             | N/A                          | 48          | 124                    | 124                  | 905         | 2.8         |
| RF5-31-FR<br>(standard female ramp)               | N/A             | N/A                          | 48          | 130                    | 105                  | 905         | 3.1         |

# Red Floor 5 Channel Example Configuration

Red Floor 5 with Male and Female Wheelchair Ramps

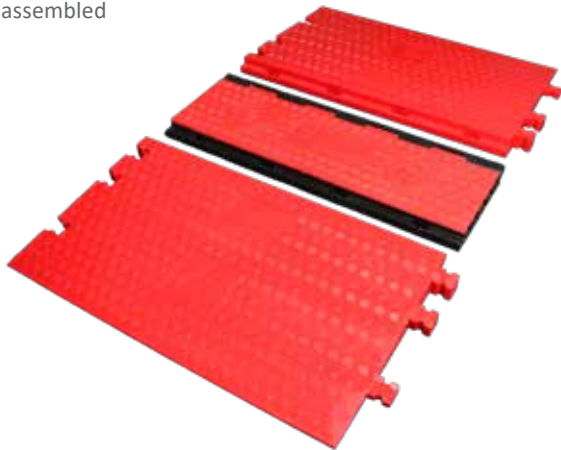


DDA Compliant  
(when connected to  
wheelchair access ramps)

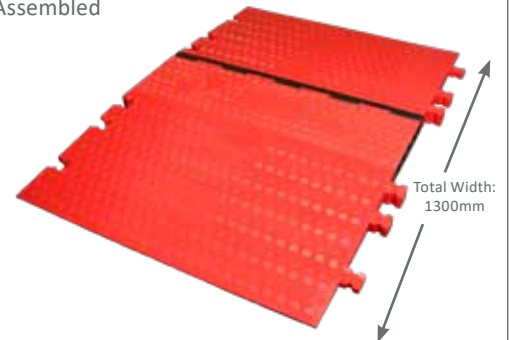


Bolt Down-R  
Connector

Disassembled



Assembled



Assembled  
Run



RF5-31-C



RF3/5-WFR



RF3/5-WMR

| Part Number                         | No. of channels | Channel Size H x W (mm)      | Height (mm) | Unassembled Width (mm) | Assembled Width (mm) | Length (mm) | Weight (kg) |
|-------------------------------------|-----------------|------------------------------|-------------|------------------------|----------------------|-------------|-------------|
| RF5-31-C<br>(centre section only)   | 5               | (4x) 31 x 32<br>(1x) 31 x 42 | 48          | 305                    | 280                  | 905         | 7.3         |
| RF3/5-WMR<br>(wheelchair male ramp) | N/A             | N/A                          | 48          | 515                    | 515                  | 905         | 9.8         |
| RF3/5-WFR<br>(wheelchair female)    | N/A             | N/A                          | 48          | 530                    | 505                  | 905         | 10.5        |



# Red Floor 5 Channel Accessories

Wheelchair access ramps and corner pieces can be supplied individually or as part of the MAK 5 (5 channel Mobility Access Kits). Transition pieces to allow connection to the Black Line and Red Line 5 channel ramps are also available.

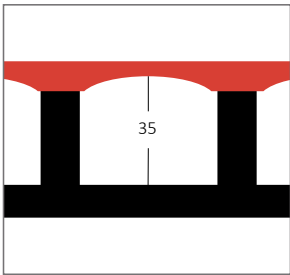
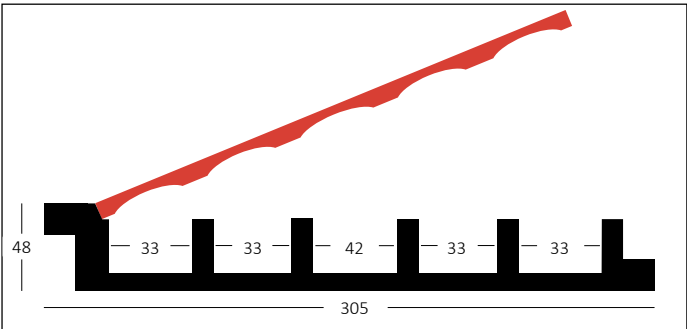
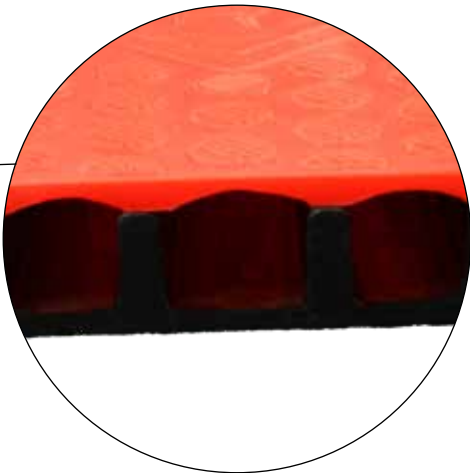
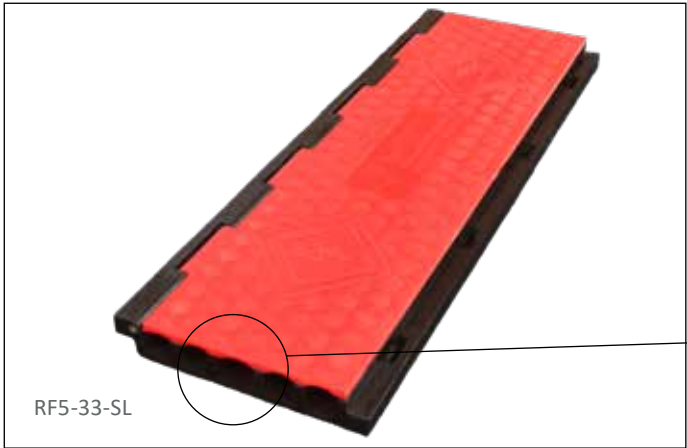


| Part Number                                                                     | No. of channels | Channel Size<br>H x W (mm)     | Height (mm) | Width (mm) | Length (mm) | Weight (kg) |
|---------------------------------------------------------------------------------|-----------------|--------------------------------|-------------|------------|-------------|-------------|
| RF3/5-WMR<br>(wheelchair male ramp)                                             | N/A             | N/A                            | 48          | 515        | 910         | 9.8         |
| RF3/5-WFR<br>(wheelchair female ramp)                                           | N/A             | N/A                            | 48          | 500        | 910         | 10.5        |
| RF5-CP-M<br>(set of 2 ramps with single end male connectors in corner pieces)   | N/A             | N/A                            | 48          | 905        | 450         | 8           |
| RF5-CP-F<br>(set of 2 ramps with single end female connectors in corner pieces) | N/A             | N/A                            | 48          | 905        | 450         | 8           |
| RF5/RL5-TP<br>(connect red floor 5 to red line 5 slot)                          | 5               | (4 x) 31 x 33<br>(1 x) 31 x 39 | 48          | 572        | 500         | 7.2         |
| RL5/RF5-TP<br>(connect red line 5 to red floor 5 slot)                          | 5               | (4 x) 31 x 33<br>(1 x) 31 x 39 | 48          | 572        | 500         | 7.2         |
| RF5/BL5-TP<br>(connect red floor 5 to black line 5 slot)                        | 5               | 31 x 33                        | 50          | 510        | 450         | 7.2         |
| BL5/RF5-TP<br>(connect black line 5 to red floor 5 slot)                        | 5               | 31 x 33                        | 50          | 510        | 450         | 7.2         |

# Red Floor 5 Channel - Scalloped Lid

Heavy Duty 5 Channel Scalloped Lid Centre piece for use with high volume vehicular traffic and all pedestrian traffic. Available with standard and wheelchair access ramps. Connect the 5 slot centre pieces together to provide a flat floor surface protecting as many cables as required.

- Increased channel height ideal for larger cable diameters.
- Maximum load per axle 9140 Kg @ 20°C.
- Compatible with all Red Floor 5 Accessories.



Increased channel height ideal for larger cable diameters

| Part Number | No. of channels | Channel Size H x W (mm) | Height (mm) | Width (mm) | Length (mm) | Weight (kg) |
|-------------|-----------------|-------------------------|-------------|------------|-------------|-------------|
| RF5-33-SL   | 5               | 33                      | 48          | 305        | 910         | 7.3         |

\* Dimensions and weights are nominal and accurate to approximately 1%

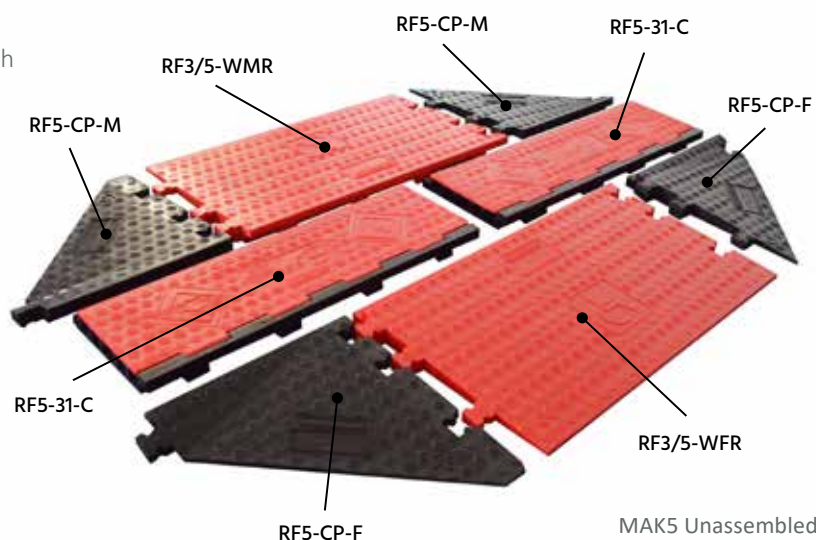
# Red Floor 5 Channel Mobility Access Kits

Heavy duty modular protection cable system with mobility access ramps and Bolt Down-R connectors for use with high volume vehicular and all pedestrian traffic.

## Red Floor 5 Channel Mobility Access Kit – MAK5

**Kit contains:**

- 2 x RF5-31-C
- 1 x RF3/5-WFR
- 1 x RF3/5-WMR
- 1 x RF5-CP-M
- 1 x RF5-CP-F

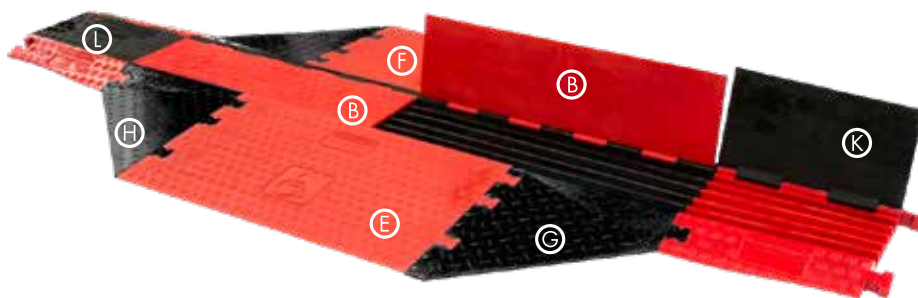


MAK5 Unassembled

## Red Floor 5 Channel Mobility Access Kit with Black Line Adaptors MAK5-B

**Kit contains:**

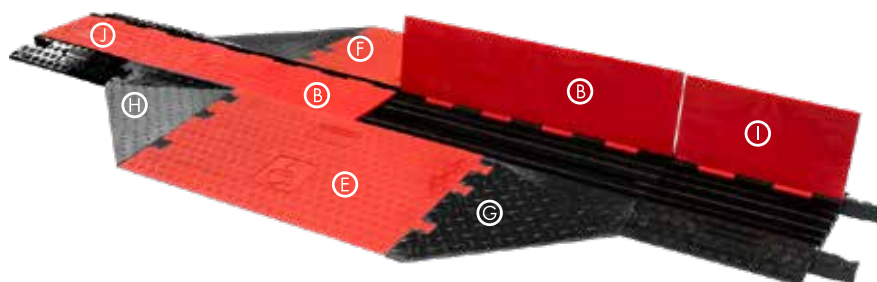
- 2 x RF5-31-C (B)
- 1 x RF3/5-WFR (F)
- 1 x RF3/5-WMR (E)
- 1 x BL5/RF5-TP (L)
- 1 x RF5/BL5-TP (K)
- 1 x RF5-CP-M (G)
- 1 x RF5-CP-F (H)



## Red Floor 5 Channel Mobility Access Kit with Red Line Adaptors MAK5-R

**Kit contains:**

- 2 x RF5-31-C (B)
- 1 x RF3/5-WFR (F)
- 1 x RF3/5-WMR (E)
- 1 x RL5/RF5-TP (J)
- 1 x RF5/RL5-TP (I)
- 1 x RF5-CP-M (G)
- 1 x RF5-CP-F (H)



# Red Floor Modular Single Channel Dropover | RFD-1-44

Connects directly to our Red Floor mobility access ramp with our Red Floor 5 Channel Cable ramp or via the intermediate piece to our Red Floor 3 Cable ramp. Can also be individually connected to our Red Floor 5 side ramps to allow the user to protect as many cables as required.

- Drop over design eliminates the need for protective lids and eases cable handling.
- Suitable for High volume vehicular traffic.
- Includes the same unique anti slip tread pattern as all our CableGuards.
- Operating Temperature -40°C to +49°C.
- Maximum load per axle 9140 Kg @ 20°C.



## Example Configurations



For individual parts see page 28 (Red Floor 5 Channel).

| Part Number | No. of channels | Channel Size H x W (mm) | Height (mm) | Width (mm) | Length (mm) | Weight (kg) |
|-------------|-----------------|-------------------------|-------------|------------|-------------|-------------|
| RFD-1-44    | 1               | 44 x 50                 | 50          | 81         | 910         | 2.1         |

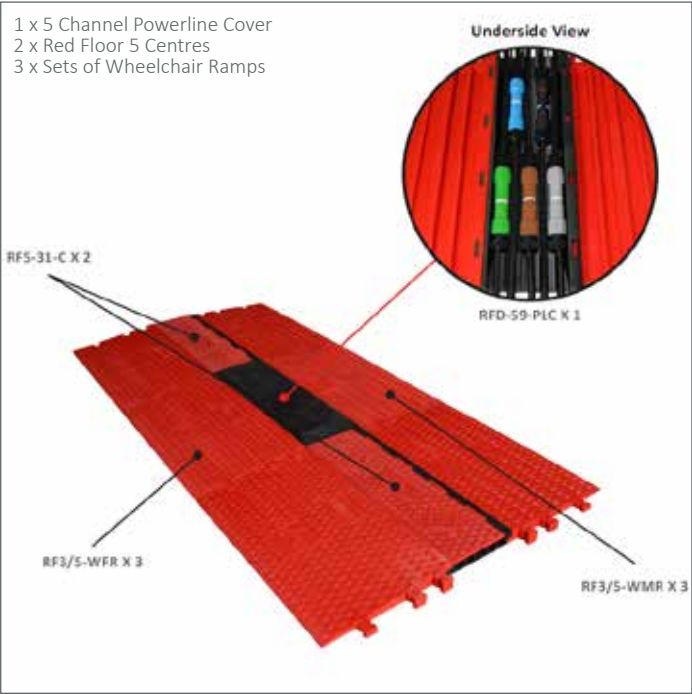
\* Dimensions and weights are nominal and accurate to approximately 1%

# Red Floor 5 Powerline Cover | RFD-59-PLC

Designed with a robust two-piece interlocking system for easy transport, handling, and quick on-site assembly. Provides secure, low-profile cable protection and is fully compatible with the Red Floor 5 system.

- Large enough to accommodate 5 Powerline QC connectors, ensuring secure cable management.
- Dropover design removes the need for hinged protective lids, simplifying cable placement.
- Includes the same unique anti slip tread pattern as all our CableGuards.
- Suitable for pedestrian use and light vehicular traffic.
- Features our signature anti-slip tread pattern, consistent across the CableGuard range.
- Operating Temperature -40°C to +49°C.
- Available as standard in red or black.

## Example Configuration

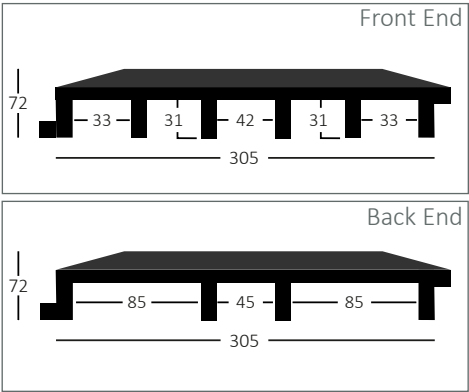
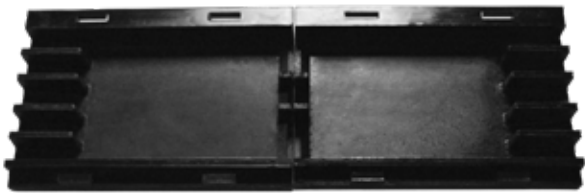


For individual parts see page 28 (Red Floor 5 Channel).



Sold as a two-piece, interlocking set.

## Underside View



| Part Number | No. of channels | Cavity Size H x W (mm) | Height (mm) | Width (mm) | Length (mm) | Weight (kg) |
|-------------|-----------------|------------------------|-------------|------------|-------------|-------------|
| RFD-59-PLC  | 5               | 325 x 230              | 72          | 305        | 455         | 6 / Per Set |

\* Dimensions and weights are nominal and accurate to approximately 1%

# Personalised Lids

Have your CableGuards permanently personalised with Company Details, Logo or Web Address. Just send us your logo in JPG, PNG, EPS, AI, DXF, BMP or PDF file and we will do it for you.

Size of the customised area is 240 mm x 90 mm.



# Assembly, Installation and Disassembly Guide

## Assembly Instructions

1. Inspect area for any obstruction.
2. Assemble pieces by aligning female connectors over male connectors.
3. Press with foot to secure female to male connection.
4. Open lid and install cable along channels.
5. Close lid ensuring that it is flush with the base.
6. Test installation under power.
7. Inspect installation periodically to ensure no damage has occurred.



## Installation Instructions

1. Installation must be carried out on flat stable surface, avoid inclines and broken ground as damage could occur.
2. No splices must be used within an installation.
3. Avoid concentrated loads.
4. Load capacity decreases with high temperatures, always test before use.
5. Keep different services in separate channels i.e. fluid and power separate.
6. Do not expose cable protector to long term contamination by brake fluid, battery acid or antifreeze.
7. Vehicular traffic must pass over an installation slowly and with caution.
8. Our CableGuards protect cable and hoses from Vehicular or Pedestrian traffic for temporary installations and should be used in accordance with any applicable safety requirements. Installations can be a trip hazard to pedestrians if they are unaware of its presence and additional safety notices may be required in public areas.

## Maintenance of product

1. Store product flat.
2. Store in a clean, dry area.
3. Inspect regularly for damage and replace where necessary.
4. Remove any foreign materials either solid or liquid by using a detergent and water solution.

### Disassembly Instructions

1. Lift female connector vertically off the male connector, as per the diagram below.



2. Do not lift up from an angle at the female connector end to separate as this could cause damage to the male connector, as per the diagrams below.



# Declaration of Conformity

EC Declaration of Conformity

In accordance with ISO/IEC 17050

We:

Ten 47 LTD

of

Unit 2B

Frances Industrial Park

Kirkcaldy

Fife

KY1 2XZ

Declare that:

CABLE GUARDS

Product:

RED LINE, RED FLOOR, BLACK LINE, CABLE COVERS.

Models:

In accordance with the following: 2014/35/EU The Low Voltage Directive.

has been designed and manufactured to comply with Internal Procedures, Tests and also:

IEC 60529:

Degrees of Protection provided by enclosures IP30XC.

EN13501-1 (B2):

Fire Resistance Class B2.

Statutory Instrument 1994:

3260 The Electrical Equipment (Safety) Regulations 1994.

RoHS Directive 2002/95/EC

The Restriction of Hazardous Substances.

IEC 80243 / ASTM D149:

Dielectric Strength 220KV maximum (Black Line = 110KV max).

Bs7671: 2018.

Requirements for Electrical Installations / IEE Wiring Regulations 18th Edition

Bs7909: 2023.

Clause 412–03 Protection by barriers or enclosures.

Code of practice for temporary electrical systems for entertainment

and related purpose. Clause 8.8 Protection of cables on ground.

ISO 62 / ASTM D570:

Water Absorption <1% after 24 hours immersion.

Volume Resistivity:

1.3Tera Ohms / cm

Operating Temperature:

–40°C / +49°C

DIN 51130:

Slip Resistance Testing rating R11

ADA Compliant as per requirement of 8.3° angle.

Products do not contain any substances restricted by Regulation (EU) No 573/2024 on fluorinated greenhouse gases insofar as these

compounds are not intentionally added and are not part of the chemical composition of the used ingredients (Halogen free).

I hereby declare that the equipment named above has been designed to comply with the relevant sections

of the above referenced specifications. The unit complies with all essential requirements of the Directives.

Keith Gordon

Director

Kirkcaldy, December 2025

## REACH Compliance Statement

Ten 47 Ltd is classed as a downstream user under the European Union Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).

Products sold by Ten 47 Ltd are “articles” as defined in REACH Article 3(3). There is no intended release of substances from the products sold under normal or reasonably foreseeable conditions of use. Therefore the requirement in REACH Article 7 (1) (b) to register substances contained in article and intended to be released under normal or reasonably foreseeable conditions of use does not apply.

All of our raw material suppliers are 100% REACH compliant. Once processed these raw materials become chemically inert under normal conditions of use and ensure that Ten 47 Ltd is REACH compliant.

As a responsible manufacturer we will continue to monitor our suppliers to ensure that compliance is maintained.

We reserve the right to make specification and price changes without prior notice or subsequent obligation.  
All values shown in this catalogue are nominal unless stated.



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