

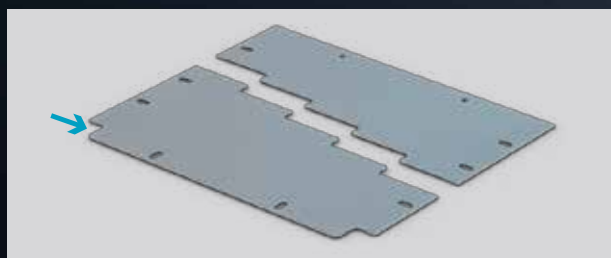


COVERS

Speedway Covers provide mechanical and environmental protection for cables on the cable ladder. Speedway Covers can be supplied in either closed or louvered configurations.

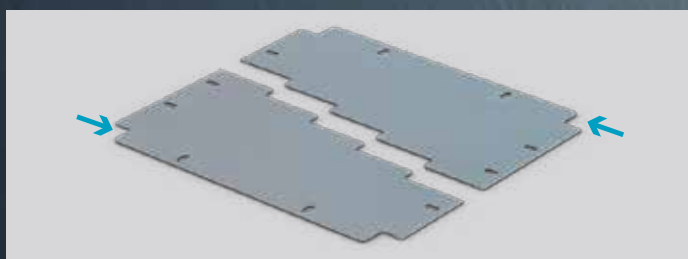
Speedway straight ladder covers are supplied in 1.5m lengths for ease of handling during installation and are 'handed' (i.e. the cover has a different slot and fixing arrangement at each end) but can be installed in either direction as the design of cable ladder fittings covers allow for connection to either end of the straight ladder covers.

Speedway straight ladder covers have an integral joint strip at one end to facilitate connection to abutting straight cable ladder or cable ladder fitting covers. Pre-formed M6 threads are provided at the opposite end of the cover to allow for ease of installation using M6 threaded bolts. The integral joint strip is fully slotted to allow for adjustment during installation.



Integral Joint Strip Detail - Straight Ladder
Covers for straight ladder have an integral joint strip on one end

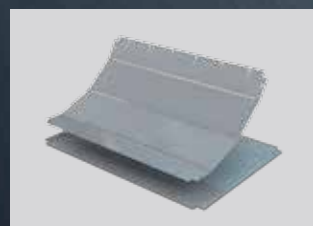
Speedway Cable Ladder fittings covers are dimensioned to be an exact fit to the Speedway Cable Ladder fitting and are fitted with integral joint strips on all ends of the cover. Covers for risers will be supplied with easi-bend slots to allow the cover to be formed on site for attachment to the riser fitting.



Integral Joint Strip Detail - Fittings Covers for fittings have an integral joint strip on each end



600mm Wide 300mm Radius
Flat Elbow Closed Cover



Riser Closed Cover
Supplied flat for forming on site

ACCREDITED TO THE
FOLLOWING STANDARD



Covers are supplied as standard in the gauges given in the following table. Other gauges up to and including 2mm are available to order.

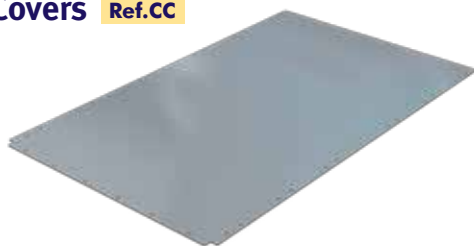
Finish & Material	Gauge
Stainless Steel	1.0mm
Hot Dipped Galvanised Mild Steel	1.2mm
Hot Dip Galvanised Silicon Rich Structural Steel	1.5mm
Deep Galvanised Silicon Rich Steel	1.5mm



SW / CC / SL1.5 / 600 / GA
System Type Cover Type Ladder Type Width Finish

For full details on how to order covers please consult the How To Order guide on pages 32 & 33

Closed Covers **Ref.CC**



Straight Ladder
Closed Cover

Closed covers fit directly onto the side walls of the Speedway Ladder & fittings to provide mechanical protection and shielding for cables and other equipment within the cable space.

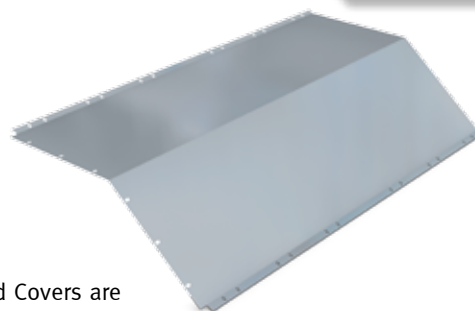
Closed covers of widths of 450mm and above are supplied with Bracing Kits (CBK) (see Bracing Kit Section). Closed Covers are punched with centreline slots to provide for water drainage.

Finishes & Materials:



Peaked Cover

Ref.CP



Peaked Covers are closed covers which are formed into a peak with an overall height of 50mm to shed sand, snow, water etc.

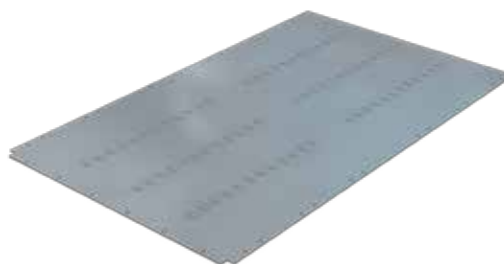
Finishes & Materials:



Louvered Covers **Ref.CL**

Louvered Covers are similar to closed covers but with the addition of louvres for improved air flow through the cable space. Louvered covers are particularly useful where heavy duty power cables are being used. Most traditional cable management systems offer a raised cover for ventilation.

Conventional raised covers have a number of considerations to be taken into account before installing them. First of which is that the cover will be susceptible to being lifted off in excessive winds, also the extra brackets and fixings will add to the installation time of each cover. Raised covers loading performance is far less than the loading performance of a close fitting louvered cover and due to the cover only being supported locally at the fixing point the raised cover is susceptible to sagging which will allow water and debris to build up. Louvered Covers of widths of 450mm and above are supplied with Bracing Kits (CBK) (see Bracing Kit Section).



Straight Ladder Louvre Cover

Finishes & Materials:



Fitting to Fitting Cover **Ref.CC/FFC or CL/FFC**

When joining two abutting cable ladder fittings with a Fitting to Fitting Coupler (FFC) a 200mm gap is created in the cover span. To ensure complete mechanical and environmental protection of the cables, a Fitting to Fitting Cover is required. Fitting to Fitting Covers will be fixed directly to the adjoining covers and will ensure complete protection of cables within the span.

Finishes & Materials:



Cover Fixing Kits **Ref.VCF**

Speedway covers are supplied complete with the required number of cover fixing kits (VCF3). The cover fixing kits are common to closed, louvered and peaked covers. The covers are secured to the ladder using pre-punched slots which are incorporated into the flanges of all Speedway ladder and fittings.

VCF3/G Cover Fixing Kit



GAM6x12BN - M6x12mm Roofing Bolt & Nut
GAM6SW - M6 Internal Shake Proof Washer
SSM6X12PH - M6x12mm Pan Head Screw

VCF3/S Cover Fixing Kit



SSM6x12PH - M6x12mm Pan Head Screw
SSM6FW - M6 Flat Washer
SSM6SW - M6 Internal Shake Proof Washer
SSM6HN - M6 Hex Nut

VCF8/S Cover Fixing Kit



SSM6x12PH - M6x12mm Pan Head Screw
SSM6SW - M6 Flat Washer
SSM6FW - M6 Internal Shake Proof Washer

It is recommended that additional cover kits are ordered to suit contingency requirements during installation (5% is suggested).

The number of fixing kits supplied with each type of cover is given in the following table:

Ladder & Fitting Type	Number
Straight Ladder	8
30° Flat Elbows	4
45° Flat Elbows	5
60° Flat Elbows	5
90° Flat Elbows	5
Inside & Outside Risers	1 per facet* with a minimum of 4
Equal & Unequal Tees	7
Crosses	8
Reducers	4

* N° of facets = N° of rungs plus 1. See Risers for details.



VCF3/SS Cover fixing kit shown securing cover to Speedway cable ladder

Bracing Kits

Bracing kits are provided for additional strengthening of closed and louvered covers for all widths of 450mm and above. Bracing kits are not required for covers of widths less than 300mm.

All closed and louvered covers of widths 450mm and above have pre-formed M6 threaded fixing holes as standard to accept the fixings for the bracing kits.

It is recommended that additional bracing fixing kits are ordered to suit contingency requirements during installation (10% is suggested).



When supplied as part of a cover assembly, the Speedway cover bracing kit will utilise the fixings supplied with the cover to cover connections.

Speedway Cover Bracing Kit
Comprising of a channel section and all necessary fixings



The following table gives the number of bracing kits supplied for each type of ladder & fitting cover:

Ladder & Fitting Type	Number of Bracing Kits		
	Widths \geq 450mm		2 per 1.5m cover
Straight ladder			
30° Flat Elbows	Widths \geq 450mm	Radius \leq 600mm	2 per cover
	Widths \geq 450mm	Radius $>$ 600mm	2 per cover
45° Flat Elbows	Widths \geq 450mm	Radius \leq 600mm	2 per cover
	Widths \geq 450mm	Radius $>$ 600mm	2 per cover
60° Flat Elbows	Widths \geq 450mm	Radius \leq 600mm	2 per cover
	Widths \geq 450mm	Radius $>$ 600mm	4 per cover
90° Flat Elbows	Widths \geq 450mm	Radius \leq 600mm	2 per cover
	Widths \geq 450mm	Radius $>$ 600mm	4 per cover
Inside Risers	Not Required		
Outside Risers			
Equal & Unequal Tees	All Widths \geq 450mm	Radius \leq 600mm	2 for Main Branch 1 for Side Branch
		Radius $>$ 600mm	4 for Main Branch 2 for Side Branch
Crosses	All Widths \geq 450mm	Radius \leq 600mm	4 per cover
		Radius $>$ 600mm	8 per cover
Reducers	Not Required		

It is recommended that additional bracing kits are ordered to suit contingency requirements during installation (5% is suggested).

Installation details for Speedway cover bracing kits showing assembly positions at the cover joint and at the cover mid point