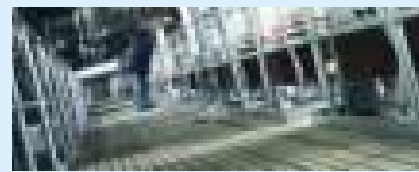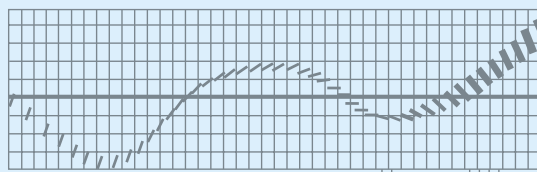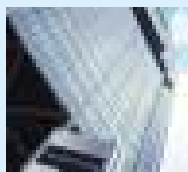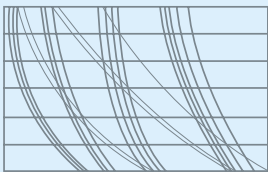arena-walsall

Salamandre®

SWiFTS®

CABLE MANAGEMENT SOLUTIONS CATALOGUE 2003/04

A COMPLETE CABLE MANAGEMENT SOLUTION FOR COMMERCIAL AND INDUSTRIAL APPLICATIONS

L¹legrand®

www.legrand.co.uk

legrand

Swifts

QUICK-FIX INNOVATIVE CABLE TRAY SYSTEMS

The distinctive slot pattern on Swifts' cable tray systems provides installers with total flexibility for the positioning of nuts and bolts, cable ties and all ancillary items. Available in five types, from light through to extra heavy duty, each system is offered with a fully integrated range of time saving fixings and fittings.
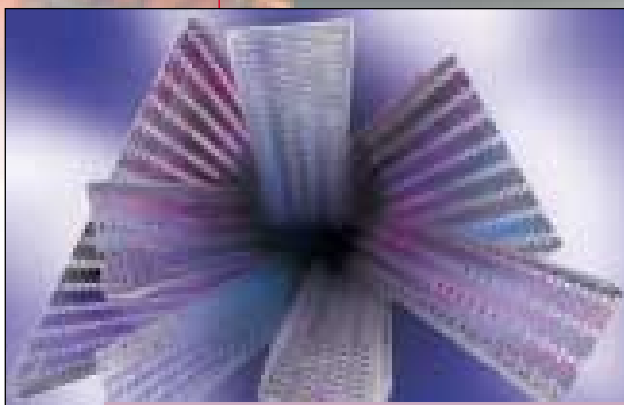
Wide choice of types, sizes and finishes

![legrand logo]

cable tray systems

Square-shafted quick bolts lock firmly into position before fixing. The nuts, which have integral washers and a serrated edge to reduce slip and improve earthing, can then be tightened using a power tool with just one hand

Unique adjustable fittings ensure a perfect fit. Adjustable bends can be set to a fixed angle or adjusted to any angle between 30º and 90º. Adjustable risers can be used as inside or outside risers for any angle up to 90º

Fittings for all systems within the range have integrated couplings and fishplates, saving both time and money

Rapide... the faster easier way to design your cable management installations

www.legrand.co.uk

cable tray systems
MRF medium duty return flange

CE

Ordering Information

Component references are obtained by giving the component code followed by the width(s), angle (where needed) and the finish suffix.

EXAMPLES:
For a hot dip galvanized MRF Straight Length, 600mm wide:- **MRFL/600/G**

For a hot dip galvanized MRF 90° Inside Riser, 600mm wide:- **MRFIR/600/G**

Standard widths:
50, 75, 100, 150, 225, 300, 450, 600, 750 and 900mm.
Widths up to 150mm wide, in -/G and -/PG finishes, have slots in side flanges.

Straight Lengths - 3m

	MRFL/ WIDTH **/** FINISH	

Couplers

50mm wide tray	**MRFC/50/** FINISH
75 - 900mm wide tray	**MRFC/** FINISH

Quick Bolt Couplers

75 - 900mm wide tray	**MRQBC/G**
75 - 900mm wide tray	**MRQBC/PG**

Supplied in packs containing 25 pairs of couplers and 100 coach bolts. For tray widths 300mm and above use two additional coach bolts **QBF** per coupler, see page 23.

Accessories

90° Bends

All widths	**MRFB/** WIDTH **/** FINISH

60°, 45°, 30° Bends

50 & 450-900mm wide

MRFB/ WIDTH **/** ANGLE **/** FINISH

Not available in 75-300mm widths.
Use Adjustable Bend instead.

Adjustable Bends

50-300mm wide	**MRFAB/** WIDTH **/** FINISH
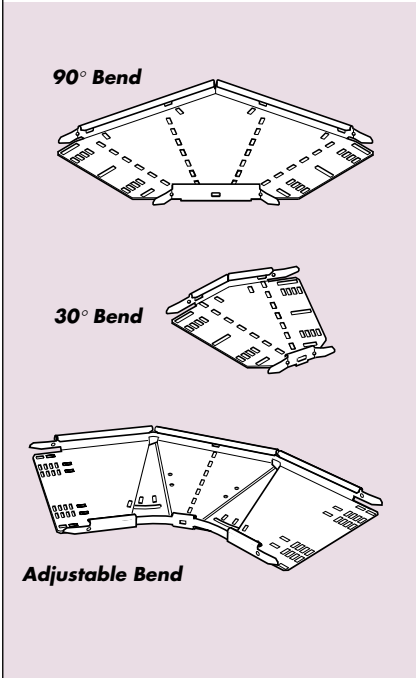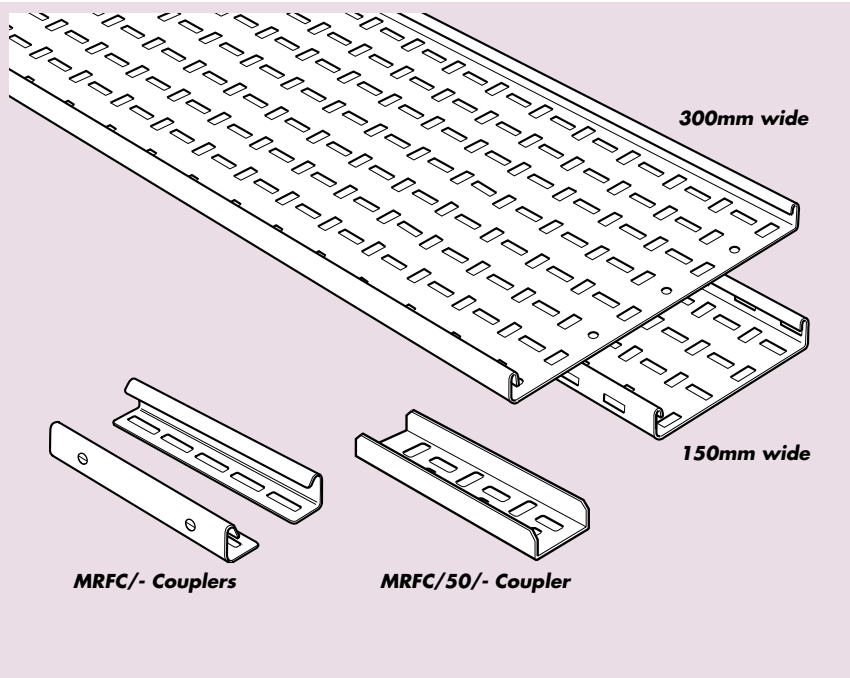
300mm wide

150mm wide

MRFC/- Couplers

MRFC/50/- Coupler

90° Bend

30° Bend

Adjustable Bend

Finishes
Standard Finishes:
- **-/G** Hot dip galvanized after manufacture to BS EN ISO 1461.
- **-/PG** Pre-galvanized steel to BS EN 10142 & 3 (BS2989).

Additional Finishes:
- **-/DG** Deep Galvanized Corten A steel.
- **-/SS** Stainless steel to BS EN 10088 grade 1-4401 (equivalent to 316S31).
- **-/E** Plastic coated (to customer's specification).

Note: MRF 50 wide straight lengths and accessories not available in -/DG or -/SS.

For availability of gauges and finishes not published, contact our Sales Support

For an extensive range of Supports and Ancillary Items for fast and easy installation see pages 20 to 23

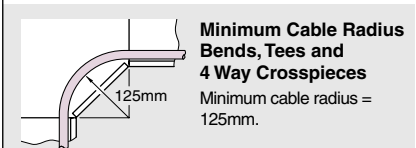| Width, mm	t, mm	
	-/G	-/PG
50 to 100	0.8	0.7
150	0.8	0.8
225	1.0	0.8
300	1.2	1.0
450 & 600	1.5	1.4
750 & 900	2.0	2.0

25 ⌐ t

NOTE:
To obtain gauges for additional finishes contact our Sales Support (see outside back cover).

Couplers are **only required for joining straight lengths,** all MRF accessories have integral couplings.

MRFC/50/- one piece unit, supplied singly
MRFC/- supplied in pairs

For trays 450mm wide and greater, the addition of **Fishplate WF/-** across the underside of the tray-to-tray joint provides added strength and increases the safe working load.

Fishplates **page 23**

Minimum Cable Radius Bends, Tees and 4 Way Crosspieces
125mm
Minimum cable radius = 125mm.

Adjustable Bends
Not available in 450 to 900mm widths.
Use fixed item instead e.g. MRFB/450/30/G.

90° Can be set to a fixed angle (in increments of 7.5°) or adjusted to any angle between 30° and 90°.

90°

Good Idea!

Form a large 90° Bend by using 2 Adjustable Bends together

Swifts

cable tray systems
MRF medium duty return flange

C E

Accessories

90° Inside Risers

| **MRFIR/** | WIDTH | / | FINISH |

90° Outside Risers

| **MRFOR/** | WIDTH | / | FINISH |

**Adjustable Risers
(Inside or Outside)**

| **MRFAR/** | WIDTH | / | FINISH |

**Extra Long
Adjustable Risers**

| **MRFAXR/** | WIDTH | / | FINISH |

4 Way Crosspieces

| **MRFX/** | WIDTH | / | FINISH |

Equal Tees

| **MRFT/** | WIDTH | / | FINISH |

Unequal Tees

| **MRFUT/** | WIDTH₁ | / | WIDTH₂ | / | FINISH |

Reducers

| **MRFR/** | WIDTH₁ | / | WIDTH₂ | / | FINISH |

SRF to MRF Reducers

| **SRFMRFR/** | WIDTH | / | FINISH |

90° Outside Riser

MRF.2054-IR
90° Inside Riser

4 Way Crosspiece

Equal Tee

Unequal Tee

Reducer

Adjustable Riser

**Extra Long
Adjustable Riser**

**SRF to MRF
Reducer**

Adjustable Risers

The Adjustable Riser can be used as an inside or outside riser for any angle up to 90°.

90°

90°

Minimum radius = 200mm.
Maximum radius = 300mm.
Overall length when flat = 554mm.

Good Idea!

Avoid the need for cutting by inserting as many segments as necessary into the end of the straight tray.

Extra Long Adjustable Risers

The Extra Long Adjustable Riser can be used as an inside or outside riser for any angle up to 90°.

90°

90°

Minimum radius = 200mm.
Maximum radius = 650mm.
Overall length when flat = 1087mm.

Ideal for avoiding obstacles on site.

Unequal Tees

W_1

W_2

W_1

W_1

To complete the component reference add the main run width (W_1), the reduced run width (W_2) and the finish.
EXAMPLE:
*For a hot dip galvanized Unequal Tee reducing from 300mm to 150mm:-**MRFUT/300/150/G.***

Reducers

W_1

W_2

To complete the component reference add the main run width (W_1), the reduced run width (W_2) and the finish.
EXAMPLE:
*For a hot dip galvanized Reducer reducing from 300mm to 150mm:-**MRFR/300/150/G.***

cable tray systems

cable tray systems
SRF heavy duty return flange

$C \in$

Ordering Information

Component references are obtained by giving the component code followed by the width(s), angle (where needed) and the finish suffix.

EXAMPLES:

For a hot dip galvanized SRF Straight Length, 600mm wide:- **SRFL/600/G**

For a hot dip galvanized SRF 90° Inside Riser, 600mm wide:- **SRFIR/600/G**

Standard widths:
75, 100, 150, 225, 300, 450, 600, 750 and 900mm.

Straight Lengths - 3m

	SRFL/ WIDTH **/** FINISH

Couplers

All tray widths	**SRFC/** FINISH

Quick Bolt Couplers

All tray widths	**SRQBC/G**
All tray widths	**SRQBC/PG**

Supplied in packs containing 25 pairs of couplers and 100 coach bolts. For tray widths 300mm and above use two additional coach bolts **QBF** per coupler, see page 23.

Accessories

90° Bends

All widths	**SRFB/** WIDTH **/** FINISH

60°, 45°, 30° Bends

450-900mm wide

	SRFB/ WIDTH **/** ANGLE **/** FINISH

Not available in 75-300mm widths.
Use Adjustable Bend instead.

Adjustable Bends

75-300mm wide	**SRFAB/** WIDTH **/** FINISH
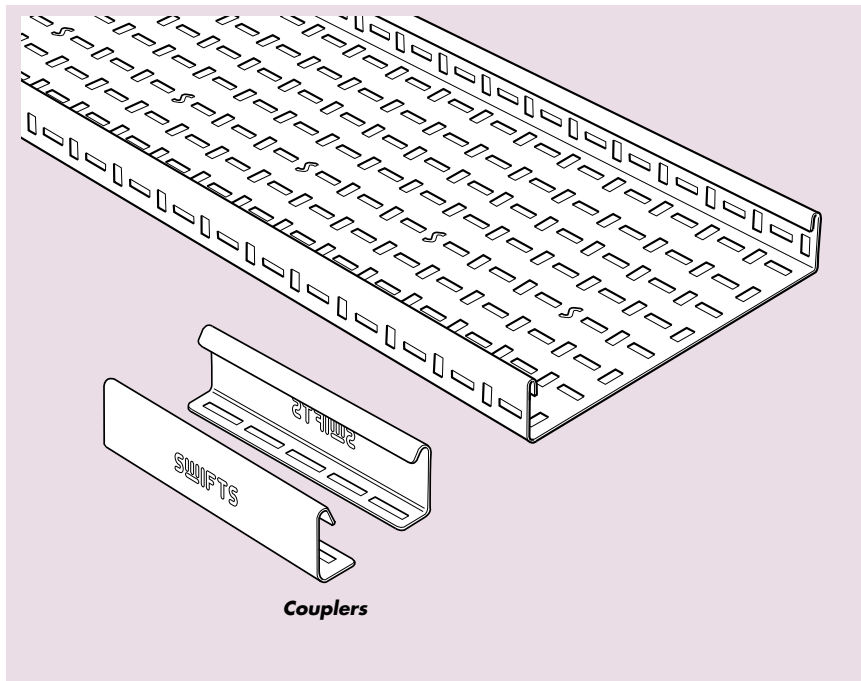
Couplers
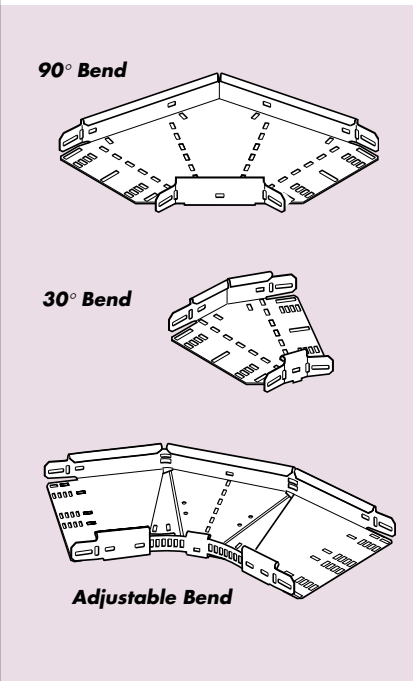
90° Bend

30° Bend

Adjustable Bend

Finishes
Standard Finishes:
- **-/G** Hot dip galvanized after manufacture to BS EN ISO 1461.
- **-/PG** Pre-galvanized steel to BS EN 10142 & 3 (BS2989).

Additional Finishes:
- **-/DG** Deep Galvanized Corten A steel.
- **-/SS** Stainless steel to BS EN 10088 grade 1-4401 (equivalent to 316S31).
- **-/E** Plastic coated (to customer's specification).

For availability of gauges and finishes not published, contact our Sales Support

For an extensive range of Supports and Ancillary Items for fast and easy installation see pages 20 to 23

Width, mm	t, mm
75 to 150	0.9
225 & 300	1.2
450	1.5
600 to 900	2.0

NOTE:

Gauges are given for standard finishes. To obtain gauges for additional finishes contact our Sales Support (see outside back cover).
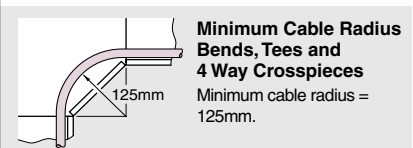
Couplers are **only required for joining straight lengths,** all MRF accessories have integral couplings.
Supplied in pairs.

For trays 450mm wide and greater, the addition of **Fishplate WF/-** across the underside of the tray-to-tray joint provides added strength and increases the safe working load.
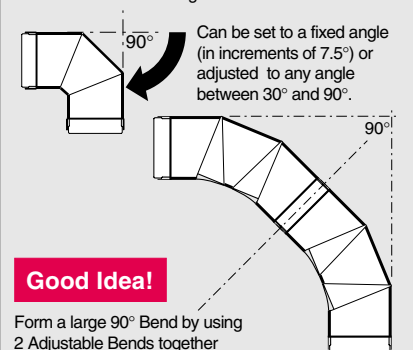
Fishplates **page 23**

Minimum Cable Radius Bends, Tees and 4 Way Crosspieces
Minimum cable radius = 125mm.

125mm

Adjustable Bends
Not available in 450 to 900mm widths.
Use fixed item instead e.g. SRFB/450/30/G.

90°

Can be set to a fixed angle (in increments of 7.5°) or adjusted to any angle between 30° and 90°.

90°

Good Idea!

Form a large 90° Bend by using 2 Adjustable Bends together

Swifts

cable tray systems
SRF heavy duty return flange

CE

Accessories

90° Inside Risers	**SRFIR/** WIDTH **/** FINISH
90° Outside Risers	**SRFOR/** WIDTH **/** FINISH
Adjustable Risers (Inside or Outside)	**SRFAR/** WIDTH **/** FINISH

Extra Long Adjustable Risers	**SRFAXR/** WIDTH **/** FINISH
4 Way Crosspieces	**SRFX/** WIDTH **/** FINISH

Equal Tees	**SRFT/** WIDTH **/** FINISH
Unequal Tees	**SRFUT/** WIDTH1 **/** WIDTH2 **/** FINISH
Reducers	**SRFR/** WIDTH1 **/** WIDTH2 **/** FINISH
SRF to MRF Reducers	**SRFMRFR/** WIDTH **/** FINISH

90° Outside Riser

Equal Tee

90° Inside Riser

4 Way Crosspiece

Unequal Tee

Reducer

Adjustable Riser

Extra Long Adjustable Riser

SRF to MRF Reducer

cable tray systems

Adjustable Risers

The Adjustable Riser can be used as an inside or outside riser for any angle up to 90°.

Minimum radius = 200mm.
Maximum radius = 300mm.
Overall length when flat = 554mm.

Minimum radius = 200mm.
Maximum radius = 650mm.
Overall length when flat = 1087mm.

Ideal for avoiding obstacles on site.

Good Idea!

Avoid the need for cutting by inserting as many segments as necessary into the end of the straight tray.

To complete the component reference add the main run width (W_1), the reduced run width (W_2) and the finish.
EXAMPLE:
*For a hot dip galvanized Unequal Tee reducing from 300mm to 150mm:-**SRFUT/300/150/G.***

Reducer

To complete the component reference add the main run width (W_1), the reduced run width (W_2) and the finish.
EXAMPLE:
*For a hot dip galvanized Reducer reducing from 300mm to 150mm:-**SRFR/300/150/G.***

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cable tray systems
SS light duty

CE

Swifts

Ordering Information

Component references are obtained by giving the component code followed by the width(s), angle (where needed) and the finish suffix.

EXAMPLES:
For a hot dip galvanized heavy duty SS Straight Length, 600mm wide:-
SSL/600/H/G

For a hot dip galvanized SS 90° Inside Riser, 600mm wide:- **SSIR/600/G**

Standard widths:
50, 75, 100, 150, 225, 300, 450, 600, 750 and 900mm.
Most widths of SS Tray are available in either **light** (**- /L/ -**) or **heavy** (**- /H/ -**) gauge variants, see table alongside.

Straight Lengths - 3m

Light Gauge

SSL/	WIDTH	**/L/**	FINISH

Heavy Gauge

SSL/	WIDTH	**/H/**	FINISH

Accessories

90° Bends

SSB/	WIDTH	/ FINISH

60°, 45°, 30° Bends

SSB/	WIDTH	/ ANGLE	/ FINISH

4 Way Crosspieces

SSX/	WIDTH	/ FINISH
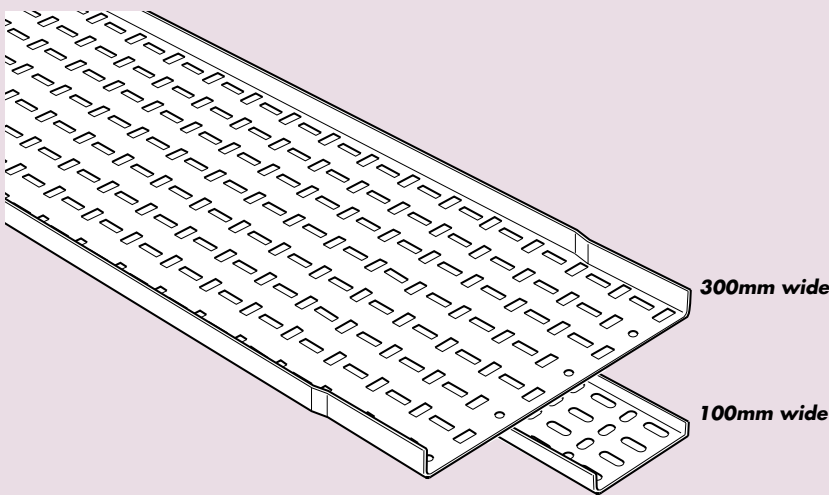
300mm wide

100mm wide
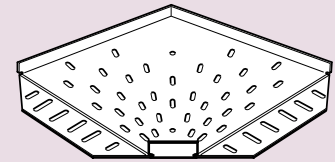
90° Bend

30° Bend

4 Way Crosspiece

All SS straight lengths and accessories have integral couplings, no separate couplers are needed.
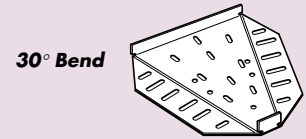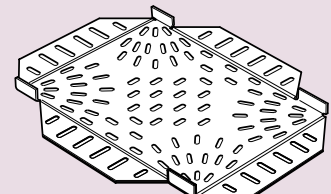
Finishes
Standard Finishes:
-/G Hot dip galvanized after manufacture to BS EN ISO 1461.
-/PG Pre-galvanized steel to BS EN 10142 & 3 (BS2989).

Additional Finishes:
-/DG Deep Galvanized Corten A steel.
-/SS Stainless steel to BS EN 10088 grade 1-4401 (equivalent to 316S31).
-/E Plastic coated (to customer's specification).

NOTE:
When placing orders for 50 to 225 wide tray in -/DG and -/SS finishes, contact our Sales Support .

For availability of gauges and finishes not published, contact our Sales Support

For an extensive range of Supports and Ancillary Items for fast and easy installation see pages 20 to 23

50 to 225 12 | **300 to 900** 18

Tray width mm	Ordering Codes	t mm	/G	/PG	/DG	/SS	/E
50	SSL/50/L/-	0.9	✔	✔	–	–	–
50	SSL/50/H/-	1.5	✔	–	✔	✔	✔
75	SSL/75/L/-	0.9	✔	✔	–	–	–
75	SSL/75/H/-	1.5	✔	–	✔	✔	✔
100	SSL/100/L/-	0.9	✔	✔	–	–	–
100	SSL/100/H/-	1.5	✔	–	✔	✔	✔
150	SSL/150/L/-	0.9	✔	✔	–	–	–
150	SSL/150/H/-	1.5	✔	–	✔	✔	✔
225	SSL/225/L/-	0.9	✔	✔	–	–	–
225	SSL/225/H/-	1.5	✔	–	✔	✔	✔
300	SSL/300/H/-	1.5	✔	✔ *	✔	✔	✔
450	SSL/450/L/-	1.5	✔	✔ *	–	✔	✔
450	SSL/450/H/-	2.0	✔	–	✔	✔	–
600	SSL/600/H/-	2.0	✔	✔	✔	✔	✔
750	SSL/750/H/-	2.0	✔	✔	✔	✔	✔
900	SSL/900/H/-	2.0	✔	✔	✔	✔	✔

* -/PG Finish:
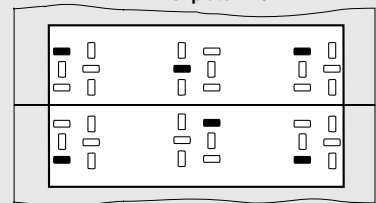SSL/300/H/- t = 1.4   SSL/450/L/- t = 1.4

For SS Tray cut to length use fishplates across tray-to-tray joint as shown.
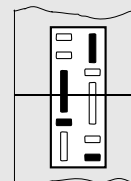
50-300mm wide
Fishplate F/-

Note:
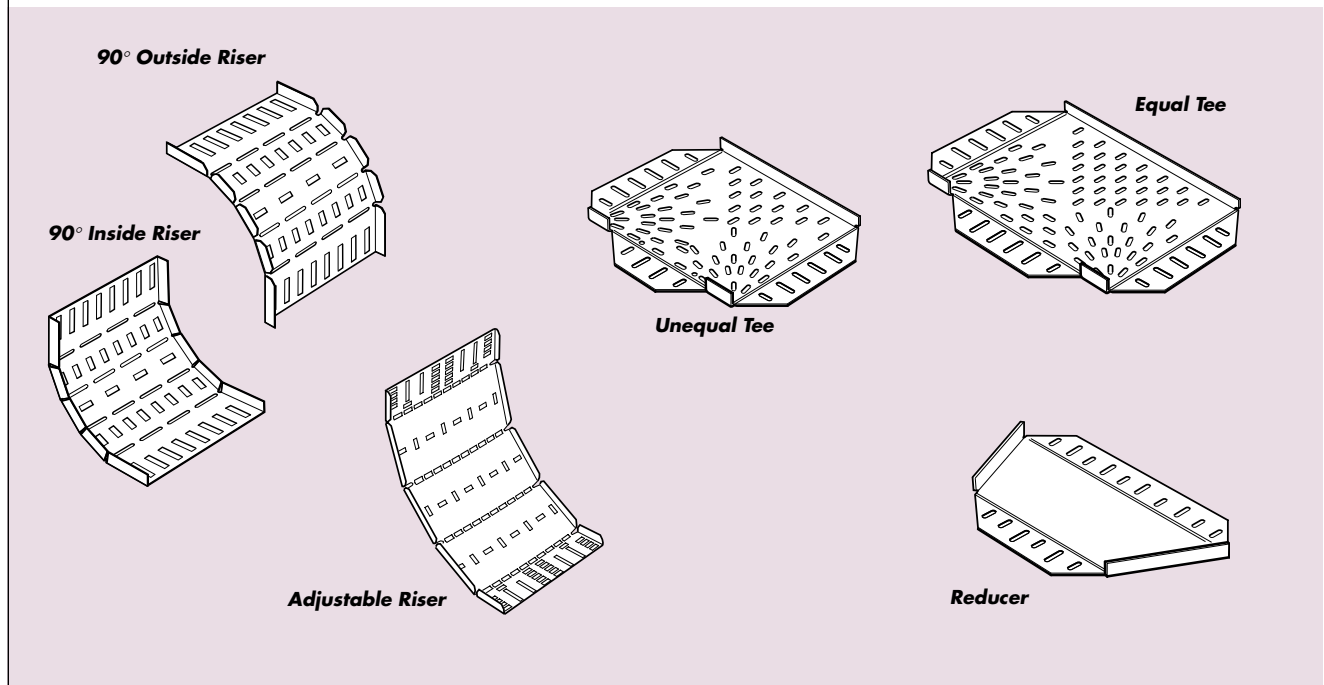Typical fastener positions shown. Use suitable aligning holes.

450-900mm wide
Fishplate WF/-

Fishplates   **page 23**

14

cable tray systems
SS light duty

CE

Accessories

90° Inside Risers			
	SSIR/	WIDTH /	FINISH

90° Outside Risers			
	SSOR/	WIDTH /	FINISH

60°, 45°, 30° Inside Risers				
	SSIR/	WIDTH /	ANGLE /	FINISH

60°, 45°, 30° Outside Risers				
	SSOR/	WIDTH /	ANGLE /	FINISH

Adjustable Risers			
	SSAR/	WIDTH /	FINISH

Equal Tees			
	SST/	WIDTH /	FINISH

Unequal Tees				
	SSUT/	WIDTH1 /	WIDTH2 /	FINISH

Reducers				
	SSR/	WIDTH1 /	WIDTH2 /	FINISH

90° Outside Riser

90° Inside Riser

Unequal Tee

Equal Tee

Adjustable Riser

Reducer

Inside and Outside Risers

Inside and Outside Risers are not available in /PG finish, use Adjustable Risers for all angles from 0° to 90°, reference SSAR/WIDTH/FINISH
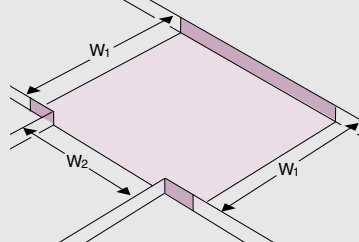
Adjustable Risers

The Adjustable Riser can be used as an inside or outside riser for any angle up to 90°.

Minimum radius = 200mm.
Maximum radius = 300mm.
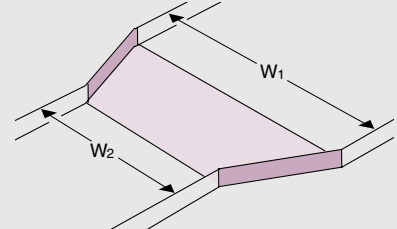Overall length when flat = 554mm.

Unequal Tee

To complete the component reference add the main run width (W_1), the reduced run width (W_2) and the finish.
EXAMPLE:
*For a hot dip galvanized Unequal Tee reducing from 300mm to 150mm:-**SSUT/300/150/G.***

Reducer

To complete the component reference add the main run width (W_1), the reduced run width (W_2) and the finish.
EXAMPLE:
*For a hot dip galvanized Reducer reducing from 300mm to 150mm:-**SSR/300/150/G.***

legrand

cable tray systems
SH heavy duty

Ordering Information

Component references are obtained by giving the component code followed by the width(s), angle (where needed) and the finish suffix.

EXAMPLES:

*For a hot dip galvanized SH Straight Length, 600mm wide:- **SHL/600/G***

*For a hot dip galvanized SH 90° Inside Riser, 600mm wide:- **SHIR/600/G***

Standard widths:
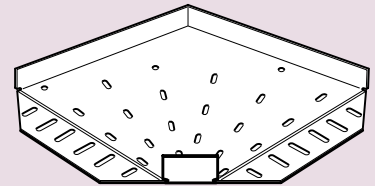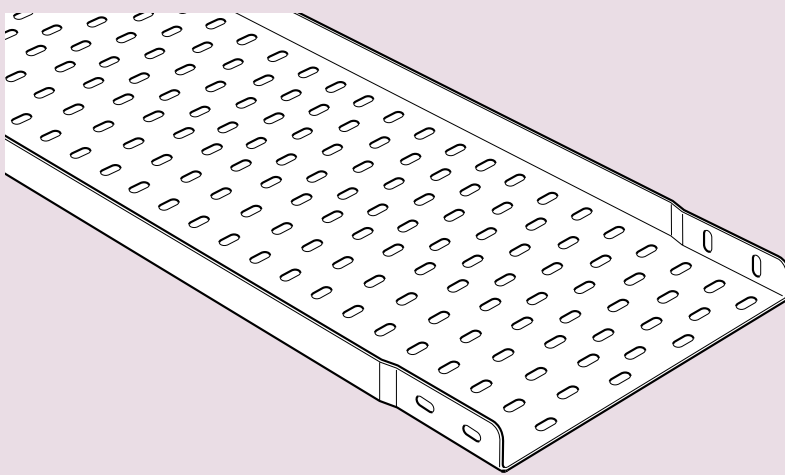100, 150, 225, 300, 450 and 600mm.

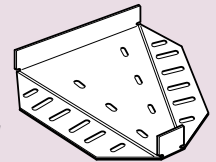## Straight Lengths - 2.4m

| **SHL/** | WIDTH | / | FINISH |

Accessories

90° Bends

| **SHB/** | WIDTH | / | FINISH |

60°, 45°, 30° Bends

| **SHB/** | WIDTH | / | ANGLE | / | FINISH |

90° Bend

30° Bend

All SH straight lengths and accessories have integral couplings, no separate couplers are needed.
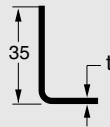
FINISHES
Standard Finish:
- **-/G** Hot dip galvanized after manufacture to BS EN ISO 1461.

Additional Finishes:
- **-/DG** Deep Galvanized Corten A steel.
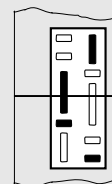- **-/SS** Stainless steel to BS EN 10088 grade 1-4401 (equivalent to 316S31).
- **-/E** Plastic coated (to customer's specification).
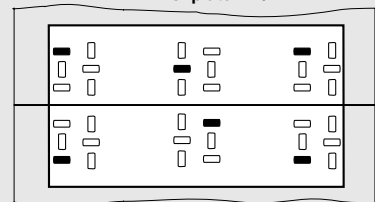
Width, mm	t, mm
100 to 300	1.5
450 & 600	2.0

35 · t

For availability of gauges and finishes not published, contact our Sales Support

For an extensive range of Supports and Ancillary Items for fast and easy installation see pages 20 to 23

For SH Tray cut to length use fishplates across tray-to-tray joint as shown.

100-300mm wide
Fishplate F/-

Note:
Typical fastener positions shown. Use suitable aligning holes.

450 & 600mm wide
Fishplate WF/-

Fishplates   **page 23**

Accessories

90° Inside Risers

SHIR/ WIDTH **/** FINISH

90° Outside Risers

SHOR/ WIDTH **/** FINISH

60°, 45°, 30° Inside Risers

SHIR/ WIDTH **/** ANGLE **/** FINISH

60°, 45°, 30° Outside Risers

SHOR/ WIDTH **/** ANGLE **/** FINISH

4 Way Crosspieces

SHX/ WIDTH **/** FINISH

Equal Tees

SHT/ WIDTH **/** FINISH

Unequal Tees

SHUT/ WIDTH₁ **/** WIDTH₂ **/** FINISH

Reducers

SHR/ WIDTH₁ **/** WIDTH₂ **/** FINISH
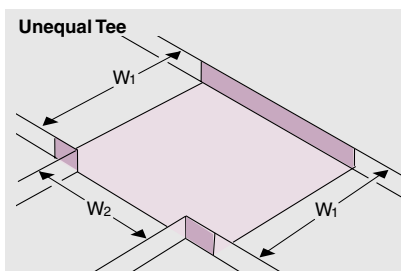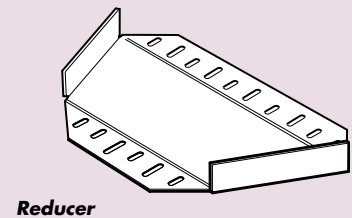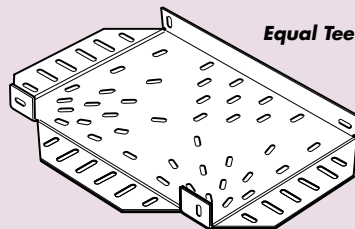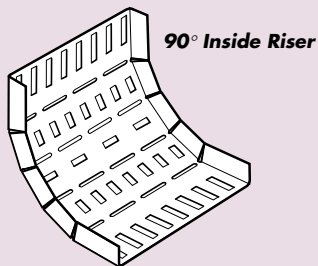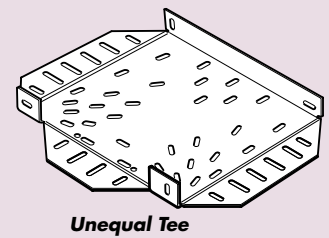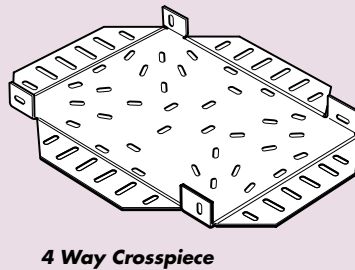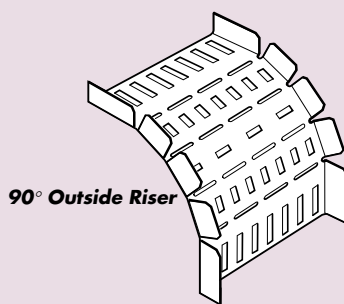
90° Outside Riser

4 Way Crosspiece

Unequal Tee

90° Inside Riser

Equal Tee

Reducer

Unequal Tee

W_1

W_2

W_1

To complete the component reference add the main run width (W_1), the reduced run width (W_2) and the finish.

EXAMPLE:
*For a hot dip galvanized Unequal Tee reducing from 300mm to 150mm:-**SHUT/300/150/G.***
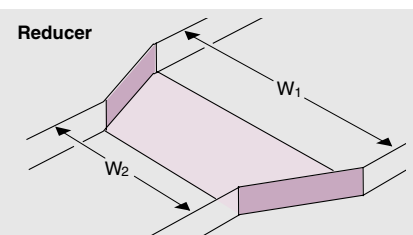
Reducer

W_1

W_2

To complete the component reference add the main run width (W_1), the reduced run width (W_2) and the finish.

EXAMPLE:
*For a hot dip galvanized Reducer reducing from 300mm to 150mm:-**SHR/300/150/G.***

cable tray systems

cable tray systems
XRF extra heavy duty return flange

CE

Ordering Information

Component references are obtained by giving the component code followed by the width(s), angle (where needed) and the finish suffix.

EXAMPLES:
For a hot dip galvanized XRF Straight Length, 600mm wide:- **XRFL/600/G**

For a hot dip galvanized XRF 90° Inside Riser, 600mm wide:- **XRFIR/600/G**

Standard widths:
100, 150, 225, 300, 450 and 600mm.

Straight Lengths - 3m

|		
XRFL/	WIDTH /	FINISH

Couplers

All tray widths	**XRFC/**	FINISH

Accessories

90° Inside Risers

	XRFIR/	WIDTH /	FINISH

90° Outside Risers

	XRFOR/	WIDTH /	FINISH

60°, 45°, 30° Inside Risers

	XRFIR/	WIDTH	ANGLE /	FINISH

60°, 45°, 30° Outside Risers

	XRFOR/	WIDTH	ANGLE /	FINISH
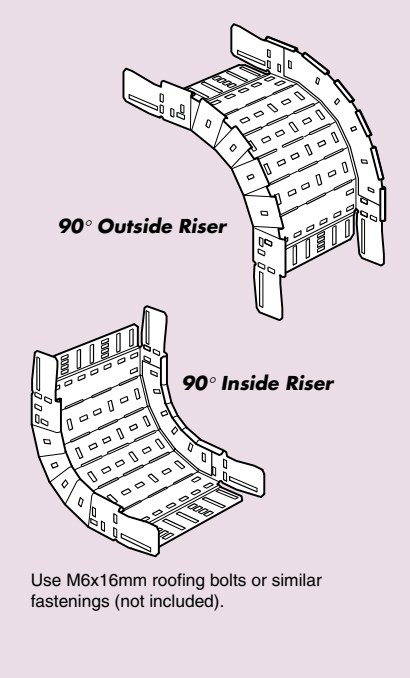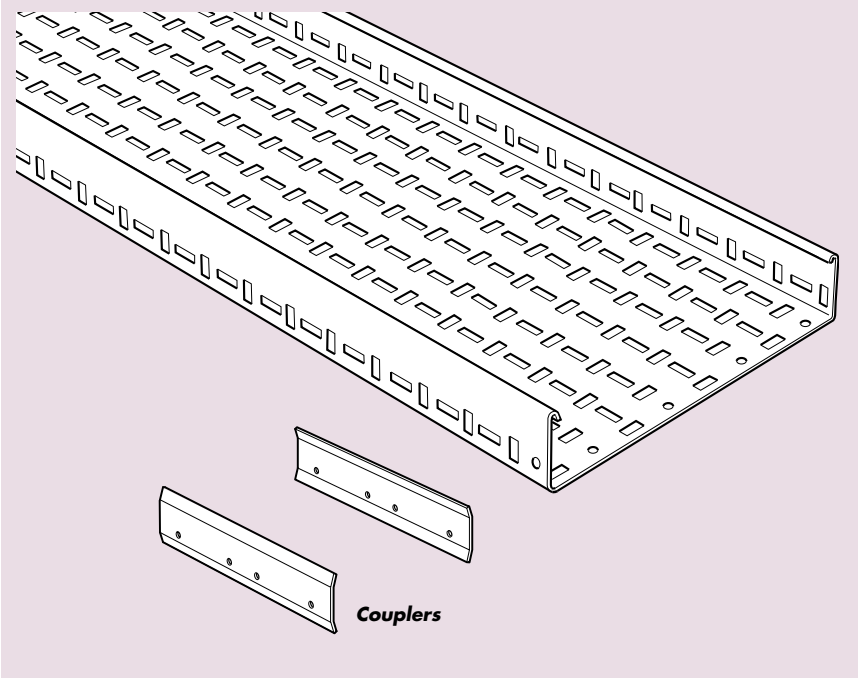
Couplers

90° Outside Riser

90° Inside Riser

Use M6x16mm roofing bolts or similar fastenings (not included).

Finishes
Standard Finish:
-/G Hot dip galvanized after manufacture to BS EN ISO 1461.

Additional Finishes:
-/DG Deep Galvanized Corten A steel.
-/SS Stainless steel to BS EN 10088 grade 1-4401 (equivalent to 316S31).

For availability of gauges and finishes not published, contact our Sales Support

For an extensive range of Supports and Ancillary Items for fast and easy installation see pages 20 to 23

Width, mm	t, mm
100 to 300	1.5
450 & 600	2.0
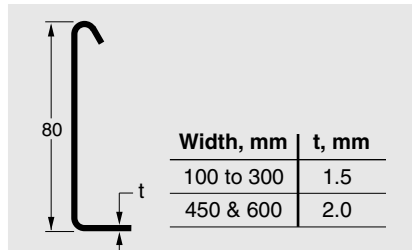
Couplers are **only required for joining straight lengths,** all XRF accessories have integral couplings.
Supplied in pairs.

For all trays 225mm wide and greater (when cable loading is in excess of 50% of the maximum safe working load), the addition of a Fishplate across the underside of the tray-to-tray joint provides added strength and increases the safe working load.
225mm wide: **Fishplate F/-**
300mm wide: **Fishplate MF/-**
450-600mm wide: **Fishplate WF/-**

Inside and Outside Risers

INSIDE RISER   OUTSIDE RISER

Width, mm	Radius (R), mm
100 to 300	180
450 & 600	240

Swifts

cable tray systems
XRF extra heavy duty return flange

CE

Accessories

90° Bends

XRFB/	WIDTH	/ FINISH

60°, 45°, 30° Bends

XRFB/	WIDTH	ANGLE	/ FINISH

4 Way Crosspieces

XRFX/	WIDTH	/ FINISH

Equal Tees

XRFT/	WIDTH	/ FINISH

Unequal Tees

XRFUT/	WIDTH1	/ WIDTH2	/ FINISH

Reducers

XRFR/	WIDTH1	/ WIDTH2	/ FINISH

90° Bend

30° Bend

Equal Tee

4 Way Crosspiece

Unequal Tee

Reducer

Minimum Cable Radius
Bends, Tees and 4 Way Crosspieces

R

Width, mm	Radius (R), mm
100 to 300	180
450 & 600	250

Unequal Tee

W_1

W_2

W_1

To complete the component reference add the main run width (W_1), the reduced run width (W_2) and the finish.

EXAMPLE:
*For a hot dip galvanized Unequal Tee reducing from 300mm to 150mm:-**XRFUT/300/150/G.***

Reducer

W_1

W_2

To complete the component reference add the main run width (W_1), the reduced run width (W_2) and the finish.

EXAMPLE:
*For a hot dip galvanized Reducer reducing from 300mm to 150mm:-**XRFR/300/150/G.***

cable tray systems

cable tray systems
supports

$C\epsilon$

Finishes

Standard Finishes:
- **-/G** Hot dip galvanized after manufacture to BS EN ISO 1461.
- **-/PG** Pre-galvanized steel to BS EN 10142 & 3 (BS2989).

Additional Finishes:
- **-/DG** Deep Galvanized Corten A steel.
- **-/SS** Stainless steel to BS EN 10088 grade 1-4401 (equivalent to 316S31).
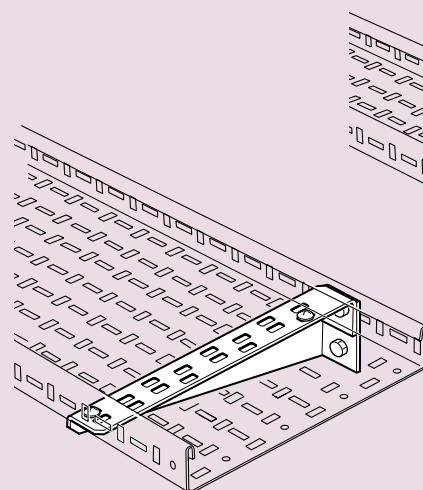- **-/E** Plastic coated (to customer's specification).

Supports

Light Duty Cantilever Arms

100mm wide tray	**LCA/100/** FINISH
150mm wide tray	**LCA/150/** FINISH
225mm wide tray	**LCA/225/** FINISH
300mm wide tray	**LCA/300/** FINISH
450mm wide tray	**LCA/450/** FINISH
600mm wide tray	**LCA/600/** FINISH
750mm wide tray	**LCA/750/** FINISH
900mm wide tray	**LCA/900/** FINISH

Light Duty Cantilever Brackets

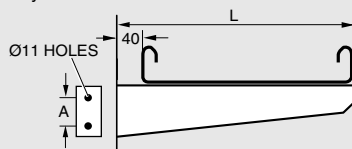|	
50mm wide tray	**LCB/50/** FINISH
75mm wide tray	**LCB/75/** FINISH
100mm wide tray	**LCB/100/** FINISH
150mm wide tray	**LCB/150/** FINISH
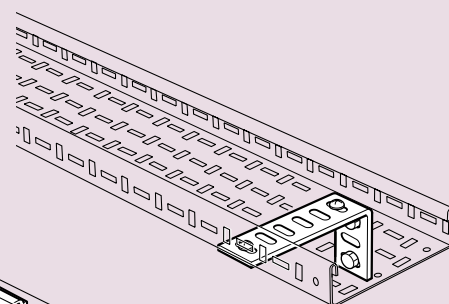
Light Duty Cantilever Bracket

Light Duty Cantilever Arm

Light Duty Cantilever Arms

Supplied singly without fastenings.
Fit horizontal runs of tray and Opal ladder to flat surface and Swiftrack channel. Suitable for all tray widths.

Ref.	A	L	SWL, kgf* surface
LCA/100/-	30	140	120[1]
LCA/150/-	30	190	120[1]
LCA/225/-	45	265	150
LCA/300/-	45	340	150
LCA/450/-	75	490	150
LCA/600/-	125	640	300
LCA/750/-	175	790	300
LCA/900/-	225	940	300

*Per cantilever arm for load uniformly distributed across complete arm using two fixing holes. Safety factor: 2.

[1] When one fixing hole is used the recommended safe working load = 100 kgf.

Light Duty Cantilever Brackets

Supplied singly without fastenings.
Fit horizontal runs of lightly loaded tray up to 150mm wide to flat surfaces and Swiftrack channel.

50-75 Ø11 HOLES IN CENTRE SLOTS
100-150 25x8 SLOTS
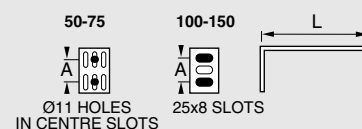
Ref.	A	L	SWL, kgf* surface	Swiftrack
LCB/50/-	37	50	15	15
LCB/75/-	37	75	15	15
LCB/100/-	45	105	20	20
LCB/150/-	45	150	20	20

*Per bracket for load uniformly distributed across complete bracket.

Light Duty Cantilever Brackets are not available in -/PG finish.

cable tray systems
supports

C€

Supports

Overhead Hangers

50mm wide tray	**OH/50/** FINISH
75mm wide tray	**OH/75/** FINISH
100mm wide tray	**OH/100/** FINISH
150mm wide tray	**OH/150/** FINISH

Light Duty Trapeze Hangers

50mm wide tray	**LTH/50/** FINISH
75mm wide tray	**LTH/75/** FINISH
100mm wide tray	**LTH/100/** FINISH
150mm wide tray	**LTH/150/** FINISH
225mm wide tray	**LTH/225/** FINISH
300mm wide tray	**LTH/300/** FINISH
450mm wide tray	**LTH/450/** FINISH
600mm wide tray	**LTH/600/** FINISH
750mm wide tray	**LTH/750/** FINISH
900mm wide tray	**LTH/900/** FINISH

Stand-Off Brackets

50mm wide tray	**STB/50/** FINISH
75mm wide tray	**STB/75/** FINISH
100mm wide tray	**STB/100/** FINISH
150mm wide tray	**STB/150/** FINISH
225mm wide tray	**STB/225/** FINISH
300mm wide tray	**STB/300/** FINISH
450mm wide tray	**STB/450/** FINISH
600mm wide tray	**STB/600/** FINISH
750mm wide tray	**STB/750/** FINISH
900mm wide tray	**STB/900/** FINISH

Stand-Off Brackets

Overhead Hanger

Light Duty Trapeze Hanger

50-300mm wide 40

450-900mm wide 60

cable tray systems
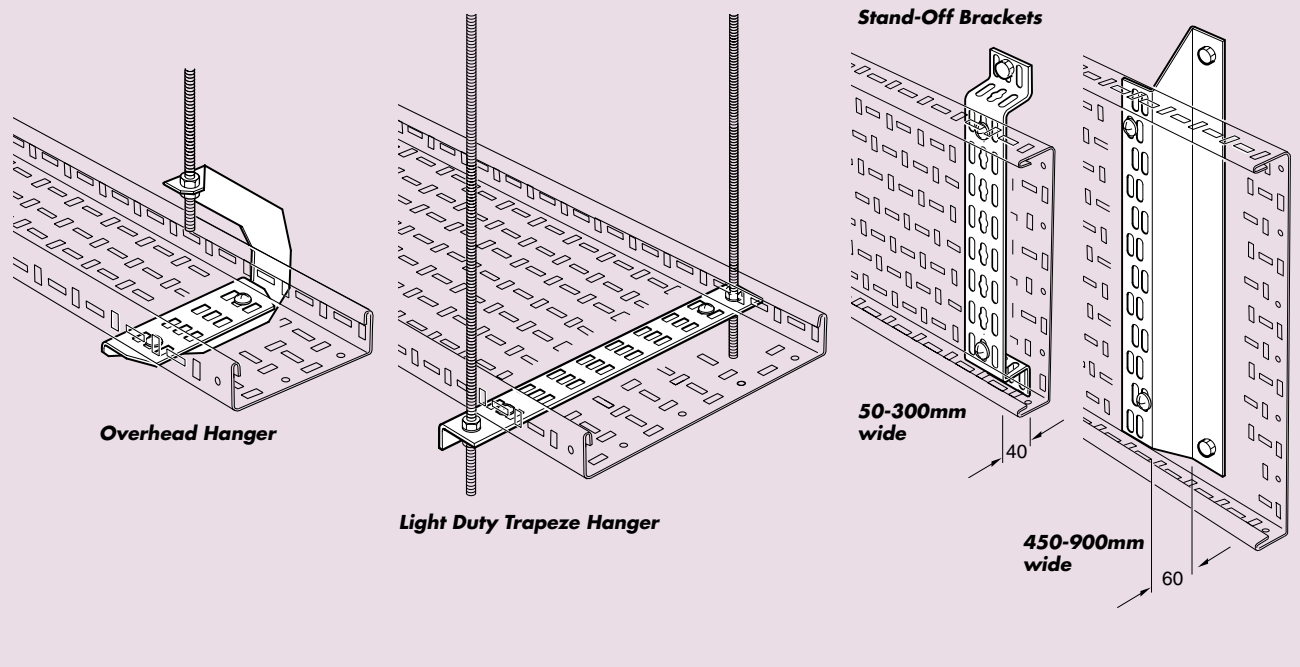
Overhead Hangers

Supplied singly without fastenings.
Support horizontal runs of lightly loaded tray up to 150mm wide from overhead structure.
Use M10 threaded rod.

Ref.	SWL, kgf*
OH/50/-	25
OH/75/-	50
OH/100/-	50
OH/150/-	50

*Per hanger for load uniformly distributed across tray width.

Safety factor: 2.

Light Duty Trapeze Hangers

Supplied singly without fastenings.
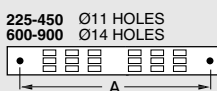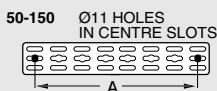Support horizontal runs of tray and Opal ladder from overhead structure.
Up to 450mm wide use M10 threaded rods. For 600mm wide and above use M12 threaded rods.

50-150 Ø11 HOLES IN CENTRE SLOTS

— A —

225-450 Ø11 HOLES
600-900 Ø14 HOLES

— A —

Trapeze Hanger to Threaded Rod fixing

Ref.	A	SWL, kgf*
LTH/50/-	75	100
LTH/75/-	112	100
LTH/100/-	150	100
LTH/150/-	187	100
LTH/225/-	280	200
LTH/300/-	355	270
LTH/450/-	505	300
LTH/600/-	660	300
LTH/750/-	810	300
LTH/900/-	960	300

*Per hanger for load uniformly distributed across complete hanger.

Safety factor: 2.

Stand-Off Brackets

50-300 **450-900**

A

Ø11 HOLES IN CENTRE SLOTS

Ø11 HOLES

Supplied singly without fastenings.
Fit vertical or horizontal runs of tray to vertical surface, floor and Swiftrack channel.

Central hole equispaced on 600 to 900 wide brackets.
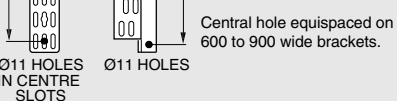
Ref.	A	SWL, kgf* horizontal tray run	SWL, kgf* vertical tray run
STB/50/-	82	40	—
STB/75/-	120	40	—
STB/100/-	157	40	—
STB/150/-	195	40	—
STB/225/-	273	100	—
STB/300/-	349	100	—
STB/450/-	485	150	150
STB/600/-	635	150	150
STB/750/-	785	150	150
STB/900/-	935	150	150

*Per stand-off bracket for load uniformly distributed across the tray.

cable tray systems
ancillary items and standard fastenings

$C \in$

Finishes	See page 20.

Ancillary Items

Dividers - 3.0m

MRFDV/ FINISH	
SRFDV/ FINISH	
SSDV/ FINISH	
SHDV/ FINISH	
XRFDV/ FINISH	

Earth Continuity Connectors

pack 20	**PTFEB**

Straight Closed Covers

3.0m	**MRFCC/**	WIDTH /	FINISH
3.0m	**SRFCC/**	WIDTH /	FINISH
3.0m	**SSCC/**	WIDTH /	FINISH
2.4m	**SHCC/**	WIDTH /	FINISH
3.0m	**XRFCC/**	WIDTH /	FINISH

Straight Ventilated Covers

3.0m	**MRFCV/**	WIDTH /	FINISH
3.0m	**SRFCV/**	WIDTH /	FINISH
3.0m	**SSCV/**	WIDTH /	FINISH
2.4m	**SHCV/**	WIDTH /	FINISH

Accessory Closed Covers

MRF (Acc) CC/	WIDTH(S) /	FINISH
SRF (Acc) CC/	WIDTH(S) /	FINISH
SS (Acc) CC/	WIDTH(S) /	FINISH
SH (Acc) CC/	WIDTH(S) /	FINISH
XRF (Acc) CC/	WIDTH(S) /	FINISH

Accessory Ventilated Covers

MRF (Acc) CV/	WIDTH(S) /	FINISH
SRF (Acc) CV/	WIDTH(S) /	FINISH
SS (Acc) CV/	WIDTH(S) /	FINISH
SH (Acc) CV/	WIDTH(S) /	FINISH

Divider
Standard length 3.0m

Earth Continuity Connector

**Straight
Closed Cover**

**Accessory
Closed Cover**

**Straight
Ventilated Cover**

**Accessory
Ventilated Cover**
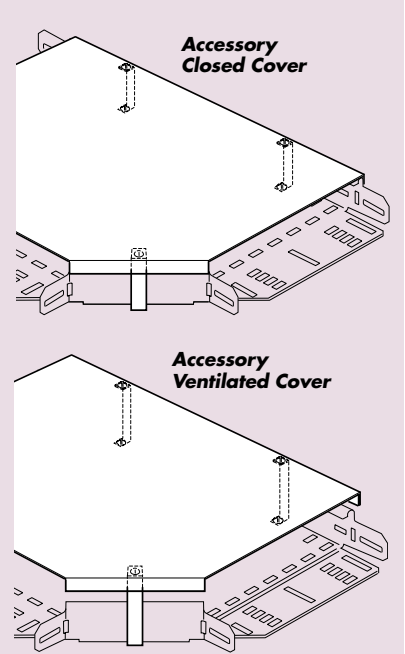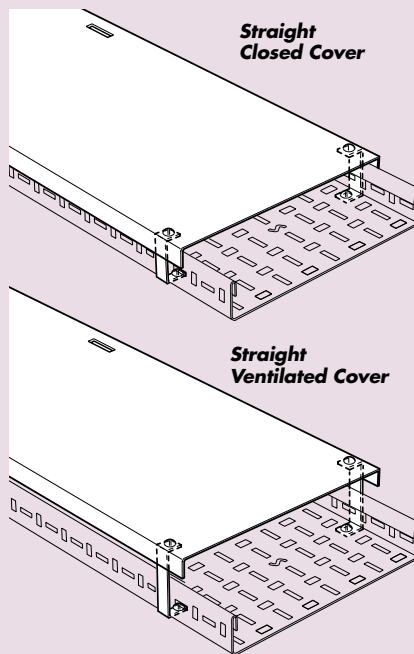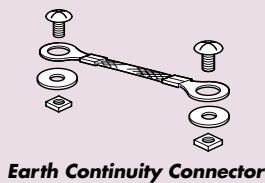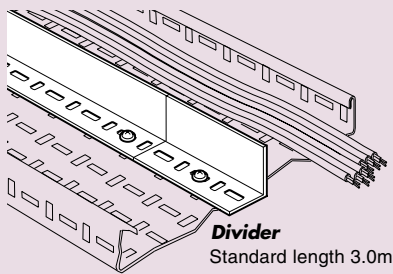
Dividers

Supplied singly without fastenings.
Used to physically separate different types or groups of cable within one cable tray run.

Divider to Tray fastenings:
Roofing Bolts, Nuts and Washers **page 23**

Earth Continuity Connectors

Fastenings not included.
Use M6 x 12mm roofing nuts and bolts.
Copper braid and copper lugs, both in electrotinned finish.
Length between centres: 93mm.
Conductor area: 4mm^2.

Connector to Tray fastenings:
Roofing Bolts, Nuts and Washers **page 23**

Straight Closed Covers

Supplied singly with fastenings.
Covers 600mm and above are overlap jointed and dimpled for rigidity.
SS Closed Covers are only available in widths 300mm and above.

Straight Ventilated Covers
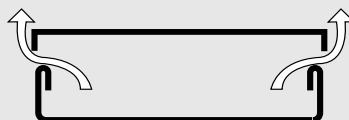
Supplied singly with fastenings.
Covers 600mm and above are overlap jointed and dimpled for rigidity.
SS Ventilated Covers are only available in widths 75mm and above.

Accessory Closed Covers

Supplied singly with fastenings.
The product code should be completed with the inclusion of the accessory reference where indicated.
EXAMPLE:
A Closed Cover for an SRF Unequal Tee,
SRFUTCC / WIDTH$_1$ / WIDTH$_2$ / FINISH

Accessory Ventilated Covers

Supplied singly with fastenings.
The product code should be completed with the inclusion of the accessory reference where indicated.
EXAMPLE:
A Ventilated Cover for an SRF Unequal Tee,
SRFUTCV / WIDTH$_1$ / WIDTH$_2$ / FINISH

Swifts

cable tray systems
ancillary items and standard fastenings

Ancillary Items

Fishplates

	See table below

Finish Renovation Materials

Galvafroid Paint	400ml	**AGALVPAINT**
2-Pack Epoxy Paste	1 litre	**AEPOXYPAINT**

Fishplates

F/-

MF/-

WF/-

SWIFTS
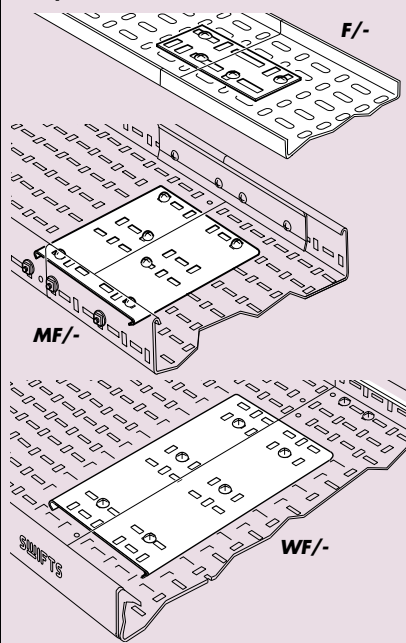
Fishplates
Supplied singly without fastenings.

Fishplates are designed for use when joining XRF cable tray, larger widths of MRF and SRF cable tray and all widths of SS and SH cable tray which have been cut to length.

They fit across the underside of the tray joint to provide added strength and increase the safe working load. They also greatly enhance the lateral rigidity of the joint and prevent unevenness in the bed between adjacent trays.

Tray Range	Tray Width	Ref
MRF	450-900	**WF/-**
SRF	450-900	**WF/-**
SS	50-300	**F/-**
	450-900	**WF/-**
SH	100-300	**F/-**
	450-600	**WF/-**
XRF*	225	**F/-**
	300	**MF/-**
	450-600	**WF/-**

*Fishplates for XRF tray are only required when cable loading is in excess of 50% of maximum safe working load.

Fishplate to Tray fastenings:
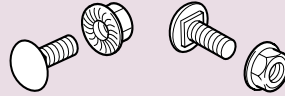Roofing Bolts, Nuts and Washers   **page 23**

Standard Fastenings

Coach Bolts
HIGH GRADE STEEL WITH DACROMET FINISH

M6 x 12	pack 100	**QBF**

Use with MRQBC/- and SRQBC/- (for tray widths 300mm and above) and for connecting all MRF and SRF accessories.

Coach Bolts

Roofing Nuts and Bolts

Electro Plated Zinc   Hot Dip Galvanized

Roofing Washers

Threaded Rods

Threaded Rod Connectors

Roofing Nuts and Bolts
ELECTRO PLATED ZINC

M6 x 12	pack 200	**RB0612**
M6 x 16	pack 200	**RB0616**
M6 x 20	pack 200	**RB0620**
M6 x 25	pack 200	**RB0625**
M6 x 30	pack 100	**RB0630**
M6 x 40	pack 100	**RB0640**
M6 x 50	pack 100	**RB0650**

HOT DIP GALVANIZED

M6 x 12	pack 100	**RBG0612**
M6 x 16	pack 100	**RBG0616**

STAINLESS STEEL

M6 x 12	pack 100	**RB0612/SS**
M6 x 16	pack 100	**RB0616/SS**
M6 x 20	pack 100	**RB0620/SS**

Roofing Washers
HOT DIP GALVANIZED

M6	pack 500	**RWG06**

Threaded Rods
ELECTRO PLATED ZINC

M6 x 3m	single	**TR06**
M8 x 3m	single	**TR08**
M10 x 3m	single	**TR10**
M12 x 3m	single	**TR12**

STAINLESS STEEL

M6 x 3m	single	**TR06/SS**
M8 x 3m	single	**TR08/SS**
M10 x 3m	single	**TR10/SS**
M12 x 3m	single	**TR12/SS**

Threaded Rod Connectors
ELECTRO PLATED ZINC

M6 x 3m	single	**RC06**
M8 x 3m	single	**RC08**
M10 x 3m	single	**RC10**
M12 x 3m	single	**RC12**

Threaded Rods - maximum load for connector

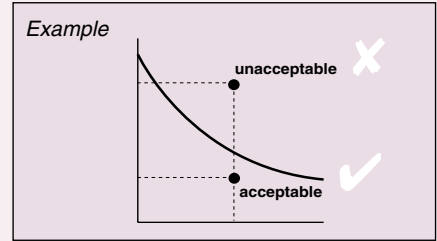| Rod Ref	Size	SWL, kgf
TR06	M6	91
TR08	M8	165
TR10	M10	262
TR12	M12	381

cable tray systems

cable tray systems
loading graphs

The loads shown on all graphs are the safe recommended maximum loads that can be applied and must include wind, snow and any other external forces in addition to the cable load. For further details see the Legrand Engineering Manual.
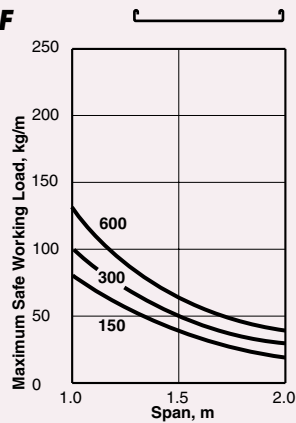
The graphs show the maximum load for Tray installed at a support spacing within its recommended range.

When the graph line is above the intersection of the required load and span lines, the support equipment is suitable for use within those load and span conditions.
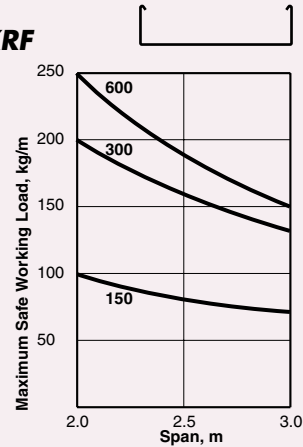
Example

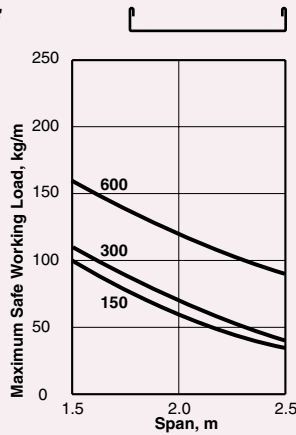unacceptable ✗
acceptable ✓

Return Flange Trays

MRF

600
300
150

Maximum Safe Working Load, kg/m
Span, m

XRF

600
300
150

Maximum Safe Working Load, kg/m
Span, m

SRF

* **SRFL/600/-** tested with fishplates.

600
300
150

Maximum Safe Working Load, kg/m
Span, m

On wider MRF, SRF and XRF trays the maximum safe working load can be increased by fitting an appropriate fishplate across the underside of each tray-to-tray joint.
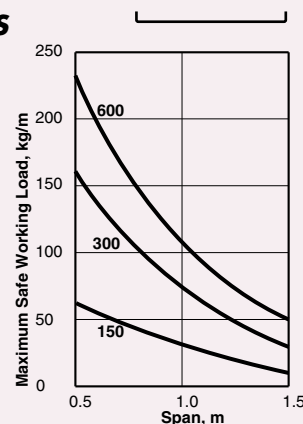
On XRF trays the graph shows the maximum safe working load when a fishplate is fitted across the underside of each tray-to-tray joint. Typical cable loads which are normally 50% of the maximum would not require a fishplate.

Single Flange Trays

SH

600
300
150

Maximum Safe Working Load, kg/m
Span, m

SS

600
300
150

Maximum Safe Working Load, kg/m
Span, m

Swifts

24
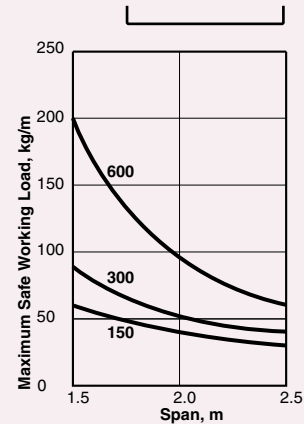
cable tray systems
finishes

MRF, SRF, SS, SH, XRF

FINISH	Tray lengths	Supports	Ancillaries
Hot dip galvanized after manufacture	✔	✔	✔
Pre-Galvanized steel	✔	✘	✘
Deep galvanized Corten A steel	✔	✔	✔
Stainless steel	✔	✔	✔
Plastic coated	✔	✔	✔

Hot dip galvanized after manufacture

An excellent, economical protective finish used on support systems in many industrial and commercial applications.

The galvanized coating is applied as a final manufacturing process by immersing a steel component (after various pre-treatments) in a large bath of molten zinc; the zinc forms an alloy with this the steel substrate and protects the steel from corrosion.

BS EN ISO 1416 provides the specification for a hot dip galvanized coating.

Pre-Galvanized steel

A zinc coating can be economically applied to steel sheet immediately after its manufacture; the result, pre-galvanized steel is an attractive, bright material which is suitable for non-arduous environments.

BS EN 10142 and 10143 provides the specifications for pre-galvanized steel; within this standard the Z275 coating classification is normally used for services support equipment.

Deep galvanized Corten A steel

A Deep Galvanized finish has all of the characteristics of hot dip galvanizing but with a much thicker coating of zinc. This gives 2-3 times the life of the standard hot dip galvanized finish.

Although the appropriate British Standard for Deep Galvanizing is BS EN ISO 1416 (the same as for hot dip galvanizing after manufacture) the process requires the use of steel containing a slightly higher proportion of silicon; Corten 'A' steel is the usual choice.

Stainless steel

For all practical purposes stainless steel serces supports can be regarded as maintenance free and suffering no corrosion.

The fire resistance of stainless steel is particularly noteworthy; tests have demonstrated that stainless steel cable supports can be expected to maintain their integrity for considerable periods even when exposed to direct flame temperatures exceeding 1,000°C.

Stainless steel is also used where hygiene is a major consideration.

Many grades of stainless steel are available but the one generally used in aggressive marine environments is BS EN 10088 Grade 1-4401 (equivalent to 316S31, BS 1449: Part 2). This grade has improved corrosion resistance (particularly in the presence of chlorides) and high temperature strength. It is much used in the chloride-laden marine conditions which exist on offshore installations and in coastal regions.

For less aggressive environments BS EN 10088 Grade 1-4301 (equivalent to 304, BS 1449: Part 2) is the normal grade. This grade is called for when the reason for using stainless steel is aesthetic and commonly used in the dairy and food industries. Final finishes with mechanical brushing or polishing are used to provide a good looking and robust surface finish.

Plastic coated

Legrand offer a number of alternative coated finishes to customer's specification.

Details of those which are available for each product range are given in this catalogue and in relevant Data Sheets in the Legrand Engineering Manual.

More detailed information on finishes is given in the Legrand Engineering Manual.

cable tray systems