

# SEMLOH

Cable & Accessories

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No minimum order charge

Next day delivery on orders by 2PM

Carriage free on orders over £150



# Welcome

to Semloh Electric's catalogue, and a company that still believes in putting the Customer first.

A person is driving a convertible car with their arms raised in the air, enjoying a sunset over a field of tall grass. The sun is low on the horizon, casting a warm, golden glow over the scene. The car's interior and the driver's arms are visible in the foreground.

Semloh Electric has grown and developed over the past 30 years to become a key supplier of cable products and electrical accessories to the automotive, marine and leisure vehicle market. Offering quality service, unrivalled technical product knowledge, and exceptional value, we distribute a huge range of top quality products to over 1500 working partners, from large Worldwide OEM clients to single mobile manufacturers to small repair workshops.

# Welcome to Semloh Electrics

We're here  
to help...

Telephone Order Line

**0115 946 2498**

Our experienced and friendly customer service team will be happy to take your order, or offer help and advice.

Fax Order Line

**0115 946 2584**

Fax your order to us at any time, using the order form at the back of this catalogue. Please enter full details of the goods you require.

Email & Website:

[sales@semlohelectrics.co.uk](mailto:sales@semlohelectrics.co.uk)

[www.semlohelectrics.co.uk](http://www.semlohelectrics.co.uk)

Email your order to us at:

[sales@semlohelectrics.co.uk](mailto:sales@semlohelectrics.co.uk) including full dealer details, part numbers and quantities required.

Post:

Semloh Electrics Ltd,  
Gordon House, Acton Grove,  
Long Eaton, Nottingham, NG10 1FY

No minimum order charge - Carriage paid on all orders over £150  
Dispatch same day for orders received before 2pm  
Carriage on orders under £150 supplied at cost (currently £12.00)

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# Cable

Quality cable supply is the core business on which Semloh Electrics was founded, and we stock a vast range of cable types, sizes and colours to ensure our customers get the quality cable they require, at a competitive price, and with the exact specification and format they prescribe. This section contains only a selection of the cables we are able to offer ex-stock, so please contact our sales department with your requirements.



- Thin Wall Auto Cable
- Standard PVC Auto Cable
- Battery and Welding Cable
- Speaker, Coaxial & Alarm Cable
- Tri Rated Cable
- Silicone Cable
- Power Cable
- Cable Tools

# CABLE AT SEMLOH

## Semloh Cable Colour Codes

<b>B</b>	=	<b>B</b> lack
<b>G</b>	=	<b>G</b> reen
<b>K</b>	=	<b>P</b> in <b>K</b>
<b>L</b>	=	<b>L</b> ight <b>G</b> reen
<b>N</b>	=	<b>B</b> row <b>N</b>
<b>O</b>	=	<b>O</b> range
<b>P</b>	=	<b>P</b> urple
<b>R</b>	=	<b>R</b> ed
<b>S</b>	=	<b>S</b> late <b>G</b> rey
<b>U</b>	=	<b>B</b> l <b>U</b> e
<b>W</b>	=	<b>W</b> hite
<b>Y</b>	=	<b>Y</b> ellow

Semloh Electrics is a leading supplier of auto, battery, power and specialist cables to the automotive, marine and leisure vehicle industries, as well as to a wide range of general electrical and industrial customers.

Our business is founded on excellent service, technical knowledge, and quality products, and our large cable stock holding and the recent installation of a state of the art computerised stock control system, means we are able to offer immediate delivery on the majority of our cable ranges.

With quality assurance and in house testing at every stage, we pride ourselves on fulfilling a customer's exact requirements, and can offer a tailor made service to your specifications.

If there is a particular type of cable, or colour, or specific length you require, then please let our sales department know, and we'll be glad to help.



## RoHS and WEEE

All of Semloh Electric's cable products manufactured and put on the market after 1st July 2006 are RoHS compliant, containing none, or less than the permitted levels of lead, mercury, cadmium and chromium. Alongside this, to help reduce the amount of waste going to landfill, we have implemented all aspects of the Waste Electrical and Electronic Equipment (WEEE) Directive (2002/96/EC)

## Semloh Packaging Options

For shorter wound lengths we supply cable on industry standard reels:

- Mini Reels
- Flanged Cardboard Reels
- Plastic Reels
- Wound Coils

We are strongly aware of our ecological responsibility and supply bulk cable via a range of returnable and reusable systems:

- Mini Plastic Tubs
- Large Plastic Tubs
- Collapsible Conipaks
- Collapsible Plastic Drums
- Wooden Drum Reels

## Ordering Cable

Simply add the colour code and reel length required to the cable code. Eg. if you want **Black Thin Wall Auto** single core **1.5mm<sup>2</sup>** cable on a **100m** reel, you order:

**TWA/1.5/B/100**



# THIN WALL AUTO CABLE

Thin Wall Auto is a low voltage cable, ideal for use in automotive and marine applications where its reduced insulation thickness and higher current carrying capacity both help to greatly reduce weight and volume in use. This is particularly important in the increasingly large and complex wiring harnesses used in today's smaller cars, where space and weight are at a premium. The cable's lead free, PVC polymer, hard grade insulation also offers excellent resistance to petrol, chemicals and abrasion, and has a wide working temperature range to 105°C.

## SINGLE CORE THIN WALL AUTO



Semloh Code	Nominal Conductor Area (mm <sup>2</sup> )	Conductor Stranding (No. of Wires/ Diameter mm)	Reel Sizes Available						Maximum Overall Cable Diameter (mm)	Conductor Resistance at 20°C (Ω per Km)	Conductor Nominal Current Rating (Amps)
			Bulk	500m	250m	100m	50m	30m			
TWA/0.5	0.5	16/0.20	■	■	■	■	■	■	1.6	37.10	11.0
TWA/0.75	0.75	24/0.20	■	■	■	■	■	■	1.9	24.70	14.0
TWA/1.0	1.0	32/0.20	■	■	■	■	■	■	2.1	18.50	16.5
TWA/1.5	1.5	30/0.25	■	■	■	■	■	■	2.4	12.70	21.0
TWA/2.0	2.0	28/0.30	■	■	■	■	■	■	2.7	9.42	25.0
TWA/2.5	2.5	50/0.25	■	■	■	■	■	■	3.0	7.60	29.0
TWA/3.0	3.0	44/0.30	■	■	■	■	■	■	3.2	6.00	33.0
TWA/4.0	4.0	56/0.30	■	■	■	■	■	■	3.7	4.70	39.0
TWA/4.5	4.5	65/0.30	■	■	■	■	■	■	4.0	4.06	42.0
TWA/6.0	6.0	84/0.30	■		■	■	■	■	4.3	3.20	50.0
TWA/8.5	8.5	120/0.30	■			■	■	■	5.4	2.20	63.0
TWA/10	10.0	80/0.40	■			■	■	■	6.0	1.82	70.0
TWA/16	16.0	126/0.40	■			■	■	■	7.9	1.16	110.0
TWA/25	25.0	196/0.40	■			■	■	■	9.4	0.75	170.0

- Individual conductors manufactured in compliance with BS EN60228:2005 and ISO 6722:2006 (Class B)
- Cable manufactured in accordance with BS 6862 Part 1:1971 where applicable
- Working temperature range -40°C to +105°C
- Maximum Voltage 60v - Suitable for most 12v and 24v Systems
- Hard grade PVC Insulation gives excellent resistance to abrasion, moisture, petrol/diesel, oil and diluted acids
  - Plain copper stranded conductors - PVC sheathed
- Available in a wide range of plain and striped outer PVC sheathed colours - please speak to our Sales Dept

## TWO CORE (FLAT TWIN) THIN WALL AUTO



Semloh Code	Nominal Conductor Area (mm <sup>2</sup> )	Conductor Stranding (No. of Wires/ Diameter mm)	Reel Sizes Available						Maximum Overall Cable Dimensions (mm)	Conductor Nominal Current Rating (Amps)
			Bulk	500m	250m	100m	50m	30m		
TWA205	2 x 0.5	2 x 16/0.20	■	■	■	■	■	■	5.5 x 3.5	11.0
TWA275	2 x 0.75	2 x 24/0.20	■	■	■	■	■	■	5.5 x 3.5	14.0
TWA210	2 x 1.0	2 x 32/0.20	■	■	■	■	■	■	5.5 x 3.5	16.5
TWA215	2 x 1.5	2 x 30/0.25	■		■	■	■	■	6.1 x 3.8	21.0
TWA220	2 x 2.0	2 x 28/0.30	■		■	■	■	■	6.6 x 3.8	25.0
TWA225	2 x 2.5	2 x 50/0.25	■			■	■	■	7.5 x 4.5	29.0
TWA230	2 x 3.0	2 x 44/0.30	■			■	■	■	7.5 x 4.5	33.0
TWA245	2 x 4.5	2 x 65/0.30	■			■	■	■	9.5 x 5.7	42.0

- Individual Conductors Manufactured in Compliance with BS EN60228:2005 and ISO 6722:2006 (Class B)
  - Cable manufactured in accordance with BS 6862 Part 1:1971 where applicable
- Working temperature range -15°C to +70°C • Plain copper stranded conductors - PVC sheathed
  - PVC insulation resistant to abrasion, moisture, petrol/diesel, oil and diluted acids
  - Outer PVC Sheath Colour : Black • Core PVC Insulation Colours : Red, Black

## TWO CORE (ROUND) THIN WALL AUTO



Semloh Code	Nominal Conductor Area (mm <sup>2</sup> )	Conductor Stranding (No. of Wires/ Diameter mm)	Reel Sizes Available						Maximum Overall Cable Dimensions (mm)	Conductor Nominal Current Rating (Amps)
			Bulk	500m	250m	100m	50m	30m		
TWA205R	2 x 0.5	2 x 16/0.20	■	■	■	■	■	■	5.0	11.0
TWA275R	2 x 0.75	2 x 24/0.20	■	■	■	■	■	■	5.5	14.0
TWA210R	2 x 1.0	2 x 32/0.20	■	■	■	■	■	■	5.7	16.5
TWA215R	2 x 1.5	2 x 30/0.25	■		■	■	■	■	6.5	21.0
TWA220R	2 x 2.0	2 x 28/0.30	■		■	■	■	■	6.7	25.0
TWA225R	2 x 2.5	2 x 50/0.25	■			■	■	■	8.3	29.0

- Individual Conductors Manufactured in Compliance with BS EN60228:2005 and ISO 6722:2006 (Class B)
  - Cable manufactured in accordance with BS 6862 Part 1:1971 where applicable
- Plain Copper Conductors - PVC Sheathed 70°C • Working temperature range -40°C to +90°C
  - PVC insulation resistant to abrasion, moisture, petrol/diesel, oil and diluted acids
  - Outer PVC Sheath Colour : Black • Core PVC Insulation Colours : Black, Red



# MULTICORE THIN WALL AUTO



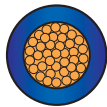
Semloh Code	Nominal Conductor Area (mm <sup>2</sup> )	Conductor Stranding (No. of Wires/ Diameter mm)	Reel Sizes Available						Maximum Overall Cable Diameter (mm)	Conductor Nominal Current Rating (Amps)	Outer Sheath Colours	Inner Core Colours
			Bulk	500m	250m	100m	50m	30m				
TWA375	3 x 0.75	3 x 24/0.2	■			■	■	■	5.6	14.0	Black	Black Green Red
TWA310	3 x 1.0	3 x 32/0.2	■			■	■	■	5.6	16.5	Black	
TWA315	3 x 1.5	3 x 30/0.25	■			■	■	■	6.8	21.0	Black	
TWA320	3 x 2.0	3 x 28/0.3	■			■	■	■	7.3	25.0	Black	
TWA475	4 x 0.75	4 x 24/0.2	■			■	■	■	6.2	14.0	Black	Brown Green Red White
TWA410	4 x 1.0	4 x 32/0.2	■			■	■	■	6.2	16.5	Black	
TWA415	4 x 1.5	4 x 30/0.25	■			■	■	■	7.6	21.0	Black	
TWA575	5 x 0.75	5 x 24/0.2	■			■	■	■	6.4	14.0	Black	Brown Green Red White and Yellow
TWA510	5 x 1.0	5 x 32/0.2	■			■	■	■	6.4	16.5	Black	
TWA501N	4 x 1.0 and 1 x 2.0	4 x 32/0.2 and 1 x 28/0.3	■			■	■	■	7.8	16.5 and 25.0	Black	
TWA705	7 x 0.5	7 x 16/0.2	■			■	■	■	7.0	11.0	Black	Black Red Green Yellow Brown BlUe and White
TWA775	7 x 0.75	7 x 24/0.2	■			■	■	■	7.0	14.0	Black	
TWA710	7 x 1.0	7 x 32/0.2	■			■	■	■	7.4	16.5	Black	
TWA701N	6 x 1.0 and 1 x 2.0	6 x 32/0.2 and 1 x 28/0.3	■			■	■	■	7.9	16.5 and 25.0	Black	
TWA702S	6 x 1.5 and 1 x 2.5	6 x 30/0.25 and 1 x 50/0.25	■			■	■	■	10.2	21.0 and 29.0	Slate Grey	
TWA801	7 x 1.0 and 1 x 2.0	7 x 32/0.2 and 1 x 28/0.3	■			■	■	■	8.7	16.5 and 25.0	Black	BRGYNP and W
TWA100	9 x 1.0 and 1 x 2.0	9 x 32/0.2 and 1 x 28/0.3	■			■	■	■	9.8	16.5 and 25.0	Black	BOUNSGPR and W
TWA1300	8 x 1.5 and 5 x 2.5	8 x 30/0.25 and 5 x 50/0.25	■				■	■	12.4	21.0 and 29.0	Black	RKNUGBY W/U OS W/R W/B & W

- Individual Conductors Manufactured in Compliance with BS EN60228:2005 and ISO 6722:2006 (Class B)
  - Cable manufactured in accordance with BS 6862 Part 1:1971 where applicable
- Working temperature range -15°C to +70°C
- Plain Copper Stranded Conductors - PVC Sheathed
  - PVC insulation resistant to abrasion, moisture, petrol/diesel, oil and diluted acids
- Outer PVC Sheath Colour : Black or Slate Grey
- Core PVC Insulation Colours : As Table Above

# STANDARD PVC AUTO CABLE

Standard PVC Auto Cable is a general purpose, low voltage cable, made up of flexible conductors of stranded copper wire which are PVC insulated. It is suitable for a variety of automotive and marine applications in working temperatures up to 70°C, and multi-core versions are commonly used in most British and European towing and trailer applications. Cable descriptions state the number and size of cable strands rather than the total cross-sectional area of the conductor. Typical uses might include: side/tail lamps, indicators, fog lamps, car alarms & stereos (9/0.30 and 14/0.30), head lamps, wipers, cigar lighters, screen heaters, fuel pumps (21/0.30 and 28/0.30), charging circuits, battery feeds (35/0.30 and 44/0.30), heavy duty charging circuits and alternator feeds (65/0.30 to 120/0.30).

## SINGLE CORE PVC AUTO



Semloh Code	Conductor Stranding (No. of Wires/ Diameter mm)	Nominal Conductor Area (mm <sup>2</sup> )	Reel Sizes Available						Maximum Overall Cable Diameter (mm)	Conductor Resistance at 20°C (Ω per Km)	Conductor Nominal Current Rating (Amps)
			Bulk	500m	250m	100m	50m	30m			
SE109	9/0.30	0.65	■	■	■	■	■	■	2.5	29.40	5.75
SE114	14/0.30	1.0	■	■	■	■	■	■	2.7	18.90	8.75
SE121	21/0.30	1.5	■	■	■	■	■	■	3.1	12.50	12.75
SE128	28/0.30	2.0	■	■	■	■	■	■	3.4	9.40	17.50
SE135	35/0.30	2.5	■	■	■	■	■	■	3.8	7.50	21.75
SE144	44/0.30	3.0	■	■	■	■	■	■	4.2	6.00	27.50
SE156	56/0.30	4.0	■	■	■	■	■	■	4.5	4.70	32.00
SE165	65/0.30	4.5	■	■	■	■	■	■	5.1	4.10	35.00
SE184	84/0.30	6.0	■		■	■	■	■	5.9	3.10	42.00
SE197	97/0.30	7.0	■			■	■	■	6.2	2.70	50.00
SE1120	120/0.30	8.5	■				■	■	7.0	2.20	60.00
SE180	80/0.40	10.0	■					■	7.5	1.80	70.00

- Individual conductors manufactured in compliance with BS EN60228:2005 and ISO 6722:2006 (Class B)
  - Cable manufactured in accordance with BS 6862 Part 1:1971 where applicable
- Working temperature -15°C to +70°C • Maximum Voltage 60v - Suitable for most 12v and 24v Systems
  - PVC Insulation resistant to petrol/diesel, oil and diluted acids
  - Plain copper stranded conductors - PVC sheathed
- Available in a wide range of plain and striped outer PVC sheathed colours - please speak to our Sales Dept

## TWO CORE (FLAT) PVC AUTO



Semloh Code	Conductor Stranding (No. of Wires/ Diameter mm)	Nominal Conductor Area (mm <sup>2</sup> )	Reel Sizes Available						Maximum Overall Cable Diameter (mm)	Conductor Resistance at 20°C (Ω per Km)	Conductor Nominal Current Rating (Amps)
			Bulk	500m	250m	100m	50m	30m			
SE209	2 x 9/0.3	2 x 0.65	■	■	■	■	■	■	6.1 x 3.8	29.4	5.75
SE214	2 x 14/0.3	2 x 1.0	■	■	■	■	■	■	6.5 x 4.0	18.9	8.75
SE221	2 x 21/0.3	2 x 1.5	■	■	■	■	■	■	7.3 x 4.5	12.6	12.75
SE228	2 x 28/0.3	2 x 2.0	■		■	■	■	■	7.9 x 4.8	9.4	17.50
SE235	2 x 35/0.3	2 x 2.5	■		■	■	■	■	9.1 x 5.6	7.5	21.75
SE244	2 x 44/0.3	2 x 3.0	■		■	■	■	■	9.5 x 5.8	6.0	27.50
SE256	2 x 56/0.3	2 x 4.0	■			■	■	■	10.4 x 6.3	4.7	32.00
SE265	2 x 65/0.3	2 x 4.5	■			■	■	■	11.5 x 7.3	4.1	35.00

- Individual conductors manufactured in compliance with BS EN60228:2005 and ISO 6722:2006 (Class B)
- Cable manufactured in accordance with BS 6862 Part 1:1971 where applicable
- Working temperature -15°C to +70°C • Maximum Voltage 60v - Suitable for most 12v and 24v Systems
- PVC Insulation resistant to petrol/diesel, oil and diluted acids • Plain copper stranded conductors - PVC sheathed
- Outer PVC Sheath and Core PVC Insulation Colours : As per table below

### TWO CORE (FLAT) PVC AUTO - STANDARD COLOURS AVAILABLE

Semloh Code	OUTER Sheath colour	INNER TWIN CORE Colours Available					
SE209	<b>B</b> lack	<b>R</b> <b>B</b>	<b>W</b> <b>B</b>	<b>N</b> <b>W</b>			
SE214	<b>B</b> lack	<b>R</b> <b>B</b>	<b>W</b> <b>B</b>	<b>N</b> <b>W</b>	<b>U</b> <b>W</b>	<b>R</b> <b>W</b> <b>B</b> <b>Y</b>	
	<b>G</b> reen	<b>R</b> <b>B</b>					
	<b>R</b> ed	<b>R</b> <b>B</b>					
	<b>W</b> hite	<b>R</b> <b>B</b>					
SE221	<b>B</b> lack	<b>R</b> <b>B</b>					
SE228	<b>B</b> lack	<b>R</b> <b>B</b>		<b>N</b> <b>W</b>	<b>U</b> <b>W</b>	<b>B</b> <b>Y</b>	
	<b>G</b> reen	<b>R</b> <b>B</b>					
	<b>W</b> hite	<b>R</b> <b>B</b>	<b>W</b> <b>B</b>		<b>U</b> <b>W</b>	<b>R</b> <b>W</b>	
SE235	<b>B</b> lack	<b>R</b> <b>B</b>					
SE244	<b>B</b> lack	<b>R</b> <b>B</b>					
	<b>W</b> hite	<b>R</b> <b>B</b>					
SE256	<b>B</b> lack	<b>R</b> <b>B</b>					
SE265	<b>B</b> lack	<b>R</b> <b>B</b>					

Other Sheath and Core Colour Combinations may be available - Please speak to our Sales Dept.










# MULTICORE PVC AUTO



Semloh Code	Conductor Stranding (No. of Wires/ Diameter mm)	Nominal Conductor Area (mm <sup>2</sup> )	Reel Sizes Available						Maximum Overall Cable Diameter (mm)	Conductor Resistance at 20°C (Ω per Km)	Conductor Nominal Current Rating (Amps)	Outer Sheath Colour	Inner Core Colour
			Bulk	500m	250m	100m	50m	30m					
SE209R	2 x 9/0.3	2 x 0.65	■	■	■	■	■	■	6.5	29.4	5.75	Black	Black Red
SE214R	2 x 14/0.3	2 x 1.0	■	■	■	■	■	■	7.1	18.9	8.75		
SE228R	2 x 28/0.3	2 x 2.0	■		■	■	■	■	8.3	9.4	17.5		
SE309	3 x 9/0.3	3 x 0.65	■		■	■	■	■	7.0	29.4	5.75	Black	Black Green Red
SE314	3 x 14/0.3	3 x 1.0	■		■	■	■	■	7.5	18.9	8.75		
SE328	3 x 28/0.3	3 x 2.0	■			■	■	■	8.7	9.4	17.5		
SE409	4 x 9/0.3	4 x 0.65	■		■	■	■	■	7.9	29.4	5.75	Black	Brown Green Red White
SE414	4 x 14/0.3	4 x 1.0	■			■	■	■	8.9	18.9	8.75		
SE509	5 x 9/0.3	5 x 0.65	■			■	■	■	9.0	29.4	5.75	Black	Brown Green Red White and Yellow
SE514	5 x 14/0.3	5 x 1.0	■			■	■	■	10.0	18.9	8.75		
SE521	5 x 21/0.3	5 x 1.5	■			■	■	■	10.7	12.5	12.75		
SE502S	4 x 35/0.3 & 1 x 21/0.3	4 x 2.5 & 1 x 1.5	■			■	■	■	12.2	7.5 & 12.5	21.75 & 12.75	Slate Grey	
SE716	7 x 16/0.2	7 x 0.5	■			■	■	■	8.5	36.9	4.25	Black	Black Red Green Yellow Brown Blue and White
SE709	7 x 9/0.3	7 x 0.65	■			■	■	■	9	29.4	5.75		
SE714	7 x 14/0.3	7 x 1.0	■			■	■	■	10.7	18.9	8.75		
SE700	6 x 9/0.3 & 1 x 14/0.3	6 x 0.65 & 1 x 1.0	■			■	■	■	9.2	29.4 & 18.9	5.75 & 8.75		
SE703	6 x 9/0.3 & 1 x 28/0.3	6 x 0.65 & 1 x 2.0	■			■	■	■	9.9	29.4 & 9.4	5.75 & 17.5		
SE701N	6 x 14/0.3 & 1 x 28/0.3	6 x 1.0 & 1 x 2.0	■			■	■	■	10.6	18.9 & 9.4	8.75 & 17.5		
SE702N	6 x 21/0.3 & 1 x 35/0.3	6 x 1.5 & 1 x 2.5	■			■	■	■	11.8	12.5 & 7.5	12.75 & 21.75		
SE702S	6 x 21/0.3 & 1 x 35/0.3	6 x 1.5 & 1 x 2.5	■			■	■	■	11.8	12.5 & 7.5	12.75 & 21.75	Slate Grey	
SE802	7 x 9/0.3 & 1 x 28/0.3	7 x 0.65 & 1 x 2.0	■			■	■	■	10.4	29.4 & 9.4	5.75 & 17.5	Black	BRGYNPW and W
SE801	7 x 14/0.3 & 1 x 28/0.3	7 x 1.0 & 1 x 2.0	■			■	■	■	10.8	18.9 & 9.4	8.75 & 17.5		
SE100	9 x 14/0.3 & 1 x 28/0.3	9 x 1.0 & 1 x 2.0	■			■	■	■	13.3	18.9 & 9.4	8.75 & 17.5	Black	BOUNSGPRY and W
SE1300	8 x 21/0.3 & 5 x 35/0.3	8 x 1.5 & 5 x 2.5	■				■	■	15.9	12.5 & 7.5	12.75 & 21.75	Black	RKNUGBY W/UOS W/R W/B & W

- Individual conductors manufactured in compliance with BS EN60228:2005 and ISO 6722:2006 (Class B)
  - Cable manufactured in accordance with BS 6862 Part 1:1971 where applicable
- Working temperature -15°C to +70°C • Maximum Voltage 60v - Suitable for most 12v and 24v Systems
  - Plain copper stranded conductors - PVC sheathed
  - PVC insulation resistant to petrol/diesel, oil and diluted acids
- Outer PVC Sheath Colour : Black or Slate Grey • Core PVC Insulation Colours : As Table Above

# FLAT TWIN & MULTICORE PVC AUTO - TYPICAL USES

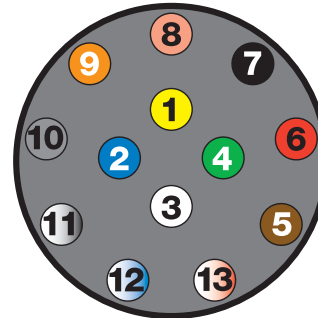
	Semloh Code	Cable Type	Nominal Wire X - Section	Continuous Current Rating	Typical Uses
	<b>SE214</b>	2 times 14/0.3	1mm <sup>2</sup>	8.75 amps	Lighter Duty low voltage use, such as Interior Lights, Tail/Side/No. Plate Lights, Alarms and Radio Cassette players.
	<b>SE228</b>	2 times 28/0.3	2mm <sup>2</sup>	17.5 amps	Medium Duty low voltage use, such as rear screen heaters, wiper motors, cigar lighter sockets and some water pumps.
	<b>SE235</b>	2 times 35/0.3	2.5mm <sup>2</sup>	21.75 amps	Heavy Duty low voltage use, such as charging cables for ammeter and battery feed circuits, and some marine use. Check the current rating required.
	<b>SE244</b>	2 times 44/0.3	3mm <sup>2</sup>	27.5 amps	Heavy Duty low voltage use, such as charging cables for ammeter and battery feed circuits, and some marine use. Check the current rating required.
	<b>SE502S</b>	12S 5 Core 4x35/0.3 1x21/0.3	4x2.5mm <sup>2</sup> 1x1.5mm <sup>2</sup>	4x21.75 amps 1x12.75 amps	The new heavy duty industry standard for 12S external connections, for caravans with heavier electrical needs.
	<b>SE709</b>	7 Core Cable 7x9/0.3	7x0.65mm <sup>2</sup>	5.75 amps	For light duty 12N Black exterior connection, for small trailers, standard lighting boards and some caravans.
	<b>SE701N</b>	12N 7 Core 6x14/0.3 1x28/0.3	6x1mm <sup>2</sup> 1x2mm <sup>2</sup>	6x8.75 amps 1x17.5 amps	For 12N Black exterior connection between car and caravan, to power the front and rear external running lights.
	<b>SE702S</b>	12S 7 Core 6x21/0.3 1x35/0.3	6x1.5mm <sup>2</sup> 1x2.5mm <sup>2</sup>	6x12.75 amps 1x21.75 amps	For 12S Grey external supplementary connection between car and caravan, to provide internal 12v power.
	<b>SE1300</b>	13 Core 8x21/0.3 5x35/0.3	8x1.5mm <sup>2</sup> 5x2.5mm <sup>2</sup>	8x12.75 amps 5x21.75 amps	The continental European standard 12N/12S single connection between car and caravan.

## 12N (Nominal) Black 7 Pin Socket Connections (Viewed from rear of socket)



Application	Socket Pin No.	Cable Core Colour
L.H. Indicator	1	Yellow
Rear Fog Lamp	2	BlUe
Earth	3	White
R.H. Indicator	4	Green
Right Tail/Side (& No. Plate)	5	BrowN
Stop Lights	6	Red
Left Tail/Side (& No. Plate)	7	Black

## Black 13 Pin Euro Socket Connections (Viewed from rear of socket)



Application	Socket Pin No.	Core Cross Section	Core Colour
L.H. Indicator	1	1.5mm <sup>2</sup>	Yellow
Rear Fog Lamp	2	1.5mm <sup>2</sup>	BlUe
Earth for contacts 1 to 8	3	2.5mm <sup>2</sup>	White
R.H. Indicator	4	1.5mm <sup>2</sup>	Green
Right Tail/Side (& No. Plate)	5	1.5mm <sup>2</sup>	BrowN
Stop Lights	6	1.5mm <sup>2</sup>	Red
Left Tail/Side (& No. Plate)	7	1.5mm <sup>2</sup>	Black
Reversing Lights	8	1.5mm <sup>2</sup>	PinK
+ 've Direct from Battery	9	2.5mm <sup>2</sup>	Orange
+ 've Ingintion Key On	10	2.5mm <sup>2</sup>	Slate Grey
Earth Return for Contact 10	11	2.5mm <sup>2</sup>	White/Black
Signalling Connection to Trailer	12	1.5mm <sup>2</sup>	White/BlUe
Earth Return for Contact 9	13	2.5mm <sup>2</sup>	White/Red

## 12S (Supplementary) Grey 7 Pin Socket Connections (Viewed from rear of socket)



Application	Socket Pin No.	Cable Core Colour
Reversing lights and/or Reversing Catch on Inertia Brakes	1	Yellow
NO ALLOCATION (may be used for auxillary battery charging)	2	BlUe
Earth (Common return)	3	White
Power Supply	4	Green
Sensing Device (i.e. warning light) with common return	5	BrowN
Power Supply for Refrigerator	6	Red
NO ALLOCATION (may be used spare earth for Refrigerator)	7	Black

## SEMI RIGID PVC BATTERY CABLE



Semloh Code	Nominal Conductor Area (mm <sup>2</sup> )	Conductor Stranding (No. of Wires/ Diameter mm)	Reel Sizes Available					Maximum Overall Cable Dimensions (mm)	Conductor Nominal Current Rating (Amps)
			Bulk	100m	50m	30m	10m		
BATR/15	15	37/0.71	■	■	■	■	■	8.0	105
BATR/25	25	37/0.9	■	■	■	■	■	9.7	170
BATR/40	40	61/0.9	■	■	■	■	■	11.8	300
BATR/60	60	61/1.13	■	■	■	■	■	13.8	415

A range of semi rigid battery cables, with denser, less flexible plain copper conductor stranding, and a PVC outer sheath, which is resistant to abrasion, moisture, petrol/diesel, oil and diluted acids. The working temperature range is -15°C to +70°C and the cable is available with either Black or Red outer PVC Sheath.

## FLEXIBLE PVC BATTERY CABLE



Semloh Code	Nominal Conductor Area (mm <sup>2</sup> )	Conductor Stranding (No. of Wires/ Diameter mm)	Reel Sizes Available					Maximum Overall Cable Dimensions (mm)	Conductor Nominal Current Rating (Amps)
			Bulk	100m	50m	30m	10m		
BAT/25	25	196/0.40	■	■	■	■	■	9.8	170
BAT/40	40	315/0.40	■	■	■	■	■	12.2	300
BAT/50	50	396/0.40	■	■	■	■	■	13.3	345
BAT/60	60	475/0.40	■	■	■	■	■	14.6	415

A range of flexible battery cables, with plain copper conductors and a PVC outer sheath, which is resistant to abrasion, moisture, petrol/diesel, oil and diluted acids. The working temperature range is -15°C to +70°C and the cable is available with either Black or Red outer PVC Sheath.

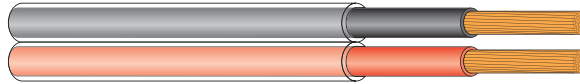
## EXTRA FLEXIBLE PVC BATTERY/WELDING CABLE



Semloh Code	Nominal Conductor Area (mm <sup>2</sup> )	Conductor Stranding (No. of Wires/ Diameter mm)	Reel Sizes Available					Maximum Overall Cable Dimensions (mm)	Conductor Nominal Current Rating (Amps)
			Bulk	100m	50m	30m	10m		
BATF/16	16	206/0.30	■	■	■	■	■	8.7	110
BATF/20	20	266/0.30	■	■	■	■	■	9.2	135
BATF/25	25	322/0.30	■	■	■	■	■	10.5	170
BATF/35	35	451/0.30	■	■	■	■	■	12.0	240
BATF/40	40	539/0.30	■	■	■	■	■	12.6	300
BATF/50	50	640/0.30	■	■	■	■	■	13.8	345
BATF/60	60	805/0.30	■	■	■	■	■	14.8	415
BATF/70	70	905/0.30	■	■	■	■	■	15.9	485
BATF/95	95	1285/0.30	■	■	■	■	■	18.2	500
BATF/120	120	1695/0.30	■	■	■	■	■	20.1	600

A range of hi flex, extra flexible battery cables, using fine stranded copper conductors with a PVC outer sheath to achieve a product which is ideal for battery or welding cable use, and is resistant to abrasion, moisture, petrol/diesel, oil and diluted acids. The working temperature range is -15°C to +70°C and the cable is available with either Black or Red outer PVC Sheath.

## TWIN HI FLEX BATTERY CABLE



Semloh Code	Nominal Conductor Area (mm <sup>2</sup> )	Conductor Stranding (No. of Wires/ Diameter mm)	Reel Sizes Available					Maximum Overall Cable Dimensions (mm)	Conductor Nominal Current Rating (Amps)
			Bulk	100m	50m	30m	10m		
BATF2/16	2 x 16	494/0.20	■	■	■	■	■	15.2 x 6.7	106
BATF2/25	2 x 25	779/0.20	■	■	■	■	■	18.0 x 8.1	140
BATF2/35	2 x 35	1083/0.20	■	■	■	■	■	20.0 x 9.1	171
BATF2/50	2 x 50	1554/0.20	■	■	■	■	■	30.6 x 14.6	215

A range of figure 8 configuration, twin hi flex battery cables, which use extra flexible plain copper conductors, insulated by a red and black thermoplastic elastomer, and then sheathed in a transparent PVC sheath, which can be divided to separate the two cores for connection. The working temperature range is -25°C to +70°C, and the cable is particularly resistant to abrasion, moisture, petrol/diesel, oil and diluted acids, making it ideal for a wide variety of flexible indoor or outdoor uses.

## ORANGE DOUBLE INSULATED WELDING CABLE



Semloh Code	Nominal Conductor Area (mm <sup>2</sup> )	Conductor Stranding (No. of Wires/ Diameter mm)	Reel Sizes Available					Maximum Overall Cable Dimensions (mm)	Conductor Nominal Current Rating (Amps)
			Bulk	100m	50m	30m	10m		
WC/25	25	322/0.30	■	■	■	■	■	9.8	170
WC/40	40	539/0.30	■	■	■	■	■	12.2	300
WC/50	50	665/0.30	■	■	■	■	■	13.3	345
WC/60	60	805/0.30	■	■	■	■	■	14.6	415

A range of flexible, double insulated, orange welding cables, with extra flexible, tinned copper conductors to BS6360 which have a working temperature range of -40°C to +85°C. The conductors are enclosed with a high temperature PETP separator which is insulated by butyl rubber and then sheathed in an orange HOFER sheath, which is resistant to abrasion, moisture, petrol/diesel, oil and diluted acids, and forms an extremely durable cable for the transmission of high currents from the welding machine to the tool piece under rough conditions.

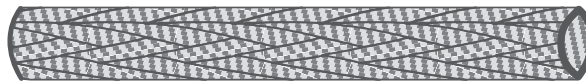
## PVC HIGH TENSION IGNITION CABLE



Semloh Code	Nominal Conductor Area (mm <sup>2</sup> )	Conductor Stranding (No. of Wires/ Diameter mm)	Reel Sizes Available					Maximum Overall Cable Dimensions (mm)	Max HT Voltage Rating (kV)
			Bulk	100m	50m	30m	10m		
IGN/16	1.15	16/0.30	■	■	■	■	■	7.0	20
IGN/19	2.35	19/0.30	■	■	■	■	■	7.0	30

A range of black PVC double insulated high tension ignition cables, which are ideal for the manufacture of high voltage auto distribution leads. The cable is made up of plain copper conductors, double sheathed with PVC to BS6862, and has a working temperature range of -15°C to +70°C. The 30kV cable is also available in Red.

## EARTHING BRAID



Semloh Code	Nominal Conductor Area (mm <sup>2</sup> )	Conductor Stranding (No. of Wires/ Diameter mm)	Reel Sizes Available					Maximum Overall Cable Dimensions (mm)	Conductor Nominal Current Rating (Amps)
			Bulk	100m	50m	30m	10m		
EB/16-16	19	16 x 16/0.30	■	■	■	■	■	7.2	130
EB/16-32	37	16 x 32/0.30	■	■	■	■	■	11.1	260

A range of high grade, tinned copper conductor, circular woven earthing braids, available with a 16/16 weave ratio, or 16/32 ratio for a higher current rating. Tinned braid is particularly suitable for earthing where conditions of vibration or movement are likely to be present, or there is a need for flexible connection. Ready made, terminated earth braid leads are also available from Semloh Electrics (please see page 38).

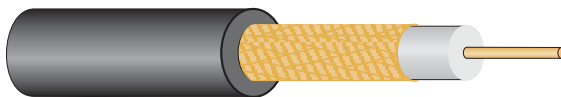
## TWIN SPEAKER CABLE



Semloh Code	Conductor Nominal Current Rating (Amps)	Conductor Stranding (No. of Wires/ Diameter mm)	Reel Sizes Available					Maximum Overall Cable Diameter (mm)	Nominal Conductor Resistance ( $\Omega$ /km)
			Bulk	500m	250m	100m	30m		
SP12/2A	2	2 x 12/0.2	■	■	■	■	■	3.65 x 1.7	52.0
SP16/3A	3	2 x 16/0.2	■	■	■	■	■	3.92 x 1.9	39.0
SP24/6A	6	2 x 24/0.2	■	■	■	■	■	4.93 x 2.3	26.0
SP32/10A	10	2 x 32/0.2	■	■	■	■	■	6.00 x 2.8	18.1
SP50/20A	20	2 x 50/0.25	■	■	■	■	■	6.72 x 3.0	7.4

A range of flexible, two core, figure of 8 standard speaker cables, with polarity line indicator along one core to indicate the "positive" tracer, ideal for auto/home loudspeaker connection and available in a variety of current ratings. Cables may be available in the following colour schemes: Black-Black/White, Black-Black/Blue, Black-Black/Red, White-White/Black, Slate-Slate/Black, and transparent sheathing with coloured tracer line. Please speak to our sales department for more information, or other cable colours or ratings.

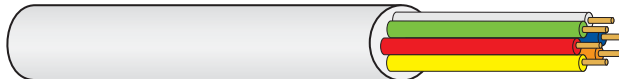
## RG COAXIAL AND SATELLITE CABLE



Semloh Code	Surge Impedance ( $\Omega$ )	Cable Type & Core Diameter (mm)	Reel Sizes Available					Outer PVC Sheath Colours Available	Maximum Overall Cable Diameter (mm)
			Bulk	100m	50m	30m	10m		
COAX/RG6	75 $\Omega$	RG6 - 1.00	■	■	■	■	■	White, Brown	6.7
COAX/RG11	75 $\Omega$	RG11 - 1.63	■	■	■	■	■	Black	10.5
COAX/RG58	50 $\Omega$	RG58 - 0.90	■	■	■	■	■	Black	5.0
COAX/RG59	75 $\Omega$	RG59 - 0.81	■	■	■	■	■	Black	6.2

Coaxial cables are commonly used for high frequency data and signal transmission, where signal loss and outside interference must be kept to a minimum. They are generally constructed using an inner conductor of solid or stranded high conductivity copper which is insulated with a solid, foamed or airspaced polyethylene dielectric. An outer conductor, consisting of a high conductivity copper wire braid, is applied over the dielectric and then sheathed with PVC.

## ALARM CABLE



Semloh Code	Alarm Cable Type	Conductor Stranding (No. of Wires/ Diameter mm)	Reel Sizes Available					Core PVC Sheath Colours	Nominal Cable O/D Diameter (mm)
			Bulk	500m	250m	100m	50m		
AL4	4 Core	4 x 7/0.2	■	■	■	■	■	R, Y, U, B	3.6
AL6	6 Core	6 x 7/0.2	■	■	■	■	■	R, Y, U, B, G, W	4.4
AL8	8 Core	8 x 7/0.2	■	■	■	■	■	R, Y, U, B, G, W, N, O	4.8

A range of unscreened, flexible PVC multicore cables normally used for the wiring of burglar alarm and other low voltage circuits. Each core contains tinned annealed copper conductors to BS4737 coated with a range of colour coded PVC inner sheaths, surrounded by an external white PVC insulation. Working temperature range is -10°C to + 70°C and maximum working voltage is 50V.



# TRI RATED CABLE



Semloh Code	Nominal Conductor Area (mm <sup>2</sup> )	Approx AWG	Reel Sizes Available						Maximum Overall Cable Diameter (mm)	UL Style No.	Conductor Nominal Current Rating (Amps)
			Bulk	500m	250m	100m	50m	30m			
TRI/0.5	0.5	22	■	■	■	■	■	■	2.5	1015	11
TRI/0.75	0.75	20	■	■	■	■	■	■	2.8	1015	14
TRI/1.0	1.0	18	■	■	■	■	■	■	2.9	1015	17
TRI/1.5	1.5	16	■	■	■	■	■	■	3.2	1015	21
TRI/2.5	2.5	14	■	■	■	■	■	■	3.7	1015	30
TRI/4.0	4.0	12	■	■	■	■	■	■	4.2	1015	41
TRI/6.0	6.0	10	■	■	■	■	■	■	4.7	1015	55
TRI/10.0	10.0	8	■	■	■	■	■	■	6.5	1028	75
TRI/16.0	16.0	6	■	■	■	■	■	■	8.0	1283	100
TRI/25.0	25.0	4	■	■	■	■	■	■	9.4	1283	136
TRI/35.0	35.0	2	■	■	■	■	■	■	10.6	1283	167
TRI/50.0	50.0	1	■	■	■	■	■	■	12.9	1284	190
TRI/70.0	70.0	2/0	■	■	■	■	■	■	14.6	1284	240
TRI/95.0	95.0	3/0	■	■	■	■	■	■	16.1	1284	300
TRI/120.0	120.0	4/0	■	■	■	■	■	■	17.9	1284	340

Tri Rated single core cable is so named because it complies with three different national standards (American UL, Canadian CSA & British BS) for heat resisting, PVC insulated, flexible cables, thus eliminating the need for dual stocking. It has a high temperature rating and is flame retardant, and is used extensively for the wiring of switch, control, metering, relay and instrument panels of power switchgear, as well as for internal connections in rectifier equipment, motor starters and controllers.

Specification	Temperature Rating	Voltage Rating
UL Subj.758	105°C	600V
CSA c22.2 No.127	105°C	600V
BS 6231 Type CK	105°C	600/1000V

- Individual Class 5 flexible copper conductors manufactured in compliance with BS EN60228:2005
  - Heat resisting PVC insulation also resistant to petrol/diesel, oil and diluted acids
    - Minimum bending radius is 6 x overall diameter of the cable
- Available in a wide range of plain PVC sheathed colours - please speak to our Sales Dept

# HEAT RESISTING SILICONE CABLE

Insulated silicone rubber cables have excellent resistance to high temperature variations, whether hot or cold, where PVC insulated cable would melt or become brittle or crack. They also have good resistance to many types of oil, dilute acids and chemicals including oxygen and ozone, helping to prevent atmospheric ageing, and are low smoke and halogen free, burning to form a silica oxide coat which will maintain the cable's integrity in the short term. For these reasons they are used typically in a range of 'difficult' environments, such as steel works, foundries, refrigeration units, cement factories and glassworks, as well as in the production of heating and lighting equipment in aeroplanes and ships, and the manufacture of engines and household appliances. For further cable protection, under difficult mechanical conditions or for insertion in tubes, the silicone insulation can also be impregnated with a glass fibre braid.

• **Working Temperature Range:** -60°C to +180°C • **Voltage Rating:** 300/500V

• **Conductors:** Flexible tinned annealed copper. Class 5 SIAF to BS6360

• **Insulation:** **SIAF** - Silicone Rubber    **SIAFGL** – Silicone Rubber Insulated with Lacquered Glass Fibre Braid  
Available in a range of Outer Sheath Colours – Please contact our Sales Department for further details.

## SIAF - SILICONE CABLE



Semloh Code	Nominal Conductor Area (mm <sup>2</sup> )	Nominal Insulation Thickness (mm)	Reel Sizes Available						Nominal Overall Cable Diameter (mm)	Maximum Conductor Resistance at 20°C (Ω per Km)	Conductor Nominal Current Rating (Amps)
			Bulk	500m	250m	100m	50m	30m			
SIL/0.5	0.5	0.6	■	■	■	■	■	■	2.1	39.00	10
SIL/0.75	0.75	0.6	■	■	■	■	■	■	2.4	26.00	13
SIL/1.0	1.0	0.6	■	■	■	■	■	■	2.5	19.50	18
SIL/1.5	1.5	0.6	■	■	■	■	■	■	2.8	13.30	22
SIL/2.5	2.5	0.7	■	■	■	■	■	■	3.4	7.98	31
SIL/4.0	4.0	0.8	■	■	■	■	■	■	4.2	4.95	41
SIL/6.0	6.0	0.8	■	■	■	■	■	■	5.2	3.30	53

## SIAFGL - GLASS FIBRE BRAIDED SILICONE CABLE



Semloh Code	Nominal Conductor Area (mm <sup>2</sup> )	Nominal Insulation Thickness (mm)	Reel Sizes Available						Nominal Overall Cable Diameter (mm)	Maximum Conductor Resistance at 20°C (Ω per Km)	Conductor Nominal Current Rating (Amps)
			Bulk	500m	250m	100m	50m	30m			
SILG/0.5	0.5	0.8	■	■	■	■	■	■	2.6	39.00	10
SILG/0.75	0.75	0.8	■	■	■	■	■	■	2.9	26.00	13
SILG/1.0	1.0	0.9	■	■	■	■	■	■	3.0	19.50	18
SILG/1.5	1.5	0.9	■	■	■	■	■	■	3.3	13.30	22
SILG/2.5	2.5	1.0	■	■	■	■	■	■	3.9	7.98	31
SILG/4.0	4.0	1.1	■	■	■	■	■	■	4.7	4.95	41
SILG/6.0	6.0	1.1	■	■	■	■	■	■	5.7	3.30	53

## 318-Y FLEXIBLE PVC MAINS CABLE (HO5VVF)



Semloh Code	Nominal Conductor Area (mm <sup>2</sup> )	Conductor Stranding (No. of Wires/ Diameter mm)	Reel Sizes Available						Nominal Overall Cable Diameter (mm)	Max Conductor Resistance at 20°C (Ω per Km)	Conductor Current Rating (Amps)
			Bulk	500m	250m	100m	50m	30m			
3182Y0.75	2 x 0.75	2 x 24/0.20	■	■	■	■	■	■	6.2	26.00	6
3182Y1.0	2 x 1.0	2 x 32/0.20	■		■	■	■	■	6.4	19.50	10
3182Y1.5	2 x 1.5	2 x 30/0.25	■		■	■	■	■	7.4	13.30	16
3182Y2.5	2 x 2.5	2 x 50/0.25	■		■	■	■	■	9.2	7.98	20
3183Y0.75	3 x 0.75	3 x 24/0.20	■	■	■	■	■	■	6.6	26.00	6
3183Y1.0	3 x 1.0	3 x 32/0.20	■		■	■	■	■	6.8	19.50	10
3183Y1.5	3 x 1.5	3 x 30/0.25	■		■	■	■	■	8.1	13.30	16
3183Y2.5	3 x 2.5	3 x 50/0.25	■		■	■	■	■	10.0	7.98	20

- Class 5 Flexible Copper Conductors to BS EN 60228:2005 • Round PVC Insulation & Sheath to BS7655
  - Temperature Rating: 0°C to +60°C Voltage Rating: 300/500V • Manufactured to BS6500/1984 Table 16
  - Minimum Bending Radius: 6 x Overall Diameter • Outer Sheath Colours Available: Black, White, Orange
    - Inner Core Colours: 2 core: Blue, Brown. 3 core: Blue, Brown, Green/Yellow
- A versatile flex, commonly used for the wiring of portable and semi-fixed domestic appliances, and extension leads.

## ARTIC GRADE PVC MAINS CABLE



Semloh Code	Nominal Conductor Area (mm <sup>2</sup> )	Conductor Stranding (No. of Wires/ Diameter mm)	Reel Sizes Available						Nominal Overall Cable Diameter (mm)	Max Conductor Resistance at 20°C (Ω per Km)	Conductor Current Rating (Amps)
			Bulk	500m	250m	100m	50m	30m			
3182Y1.0AG	2 x 1.0	2 x 32/0.20	■	■	■	■	■	■	6.4	19.50	10
3182Y1.5AG	2 x 1.5	2 x 30/0.25	■		■	■	■	■	7.4	13.30	16
3182Y2.5AG	2 x 2.5	2 x 50/0.25	■		■	■	■	■	9.0	7.98	20
3183Y1.0AG	3 x 1.0	3 x 32/0.20	■	■	■	■	■	■	6.8	19.50	10
3183Y1.5AG	3 x 1.5	3 x 30/0.25	■		■	■	■	■	8.1	13.30	16
3183Y2.5AG	3 x 2.5	3 x 50/0.25	■		■	■	■	■	10.0	7.98	20
3183Y4.0AG	3 x 4.0	3 x 56/0.30	■		■	■	■	■	11.3	4.95	25

- Class 5 Flexible Copper Conductors to BS EN 60228:2005 • Insulation & Sheath: Round Artic Grade PVC
  - Temperature Rating: -40°C to +70°C Voltage Rating: 300/500V • Manufactured to BS6500/1984 Table 16
    - Minimum Bending Radius: 6 x Overall Diameter • Outer Sheath Colours Available: Blue, Yellow
    - Inner Core Colours: 2 core: Blue, Brown. 3 core: Blue, Brown, Green/Yellow
- Artic Grade PVC is designed to withstand severe external temperatures, remaining flexible at temperatures as low as -20°C

## RUBBER INSULATED MAINS CABLE (HO7RN-F)



Semloh Code	Nominal Conductor Area (mm <sup>2</sup> )	Conductor Stranding (No. of Wires/ Diameter mm)	Reel Sizes Available						Nominal Overall Cable Diameter (mm)	Max Conductor Resistance at 20°C (Ω per Km)	Conductor Current Rating (Amps)
			Bulk	500m	250m	100m	50m	30m			
HO7RNF1.02C	2 x 1.0	2 x 32/0.20	■	■	■	■	■	■	8.6	19.50	10
HO7RNF1.52C	2 x 1.5	2 x 30/0.25	■		■	■	■	■	9.6	13.30	16
HO7RNF2.52C	2 x 2.5	2 x 50/0.25	■		■	■	■	■	11.2	7.98	20
HO7RNF1.03C	3 x 1.0	3 x 32/0.20	■		■	■	■	■	9.3	19.50	10
HO7RNF1.53C	3 x 1.5	3 x 30/0.25	■		■	■	■	■	10.3	13.30	16
HO7RNF2.53C	3 x 2.5	3 x 50/0.25	■		■	■	■	■	12.0	7.98	20

- Class 5 Flexible Copper Conductors to BS EN 60228:2005 • Insulation: EPR Rubber to BS7655
  - Sheath: PCP Polychloroprene to BS7655 - oil and flame retardant • Temperature Rating: -30°C to +85°C
  - Voltage Rating: 450/750V • Manufactured to BS7919 • Minimum Bending Radius: 6 x Overall Diameter
  - Outer Sheath Colour: Black • Inner Core Colours: 2 core: Blue, Brown. 3 core: Blue, Brown, Green/Yellow
- HO7RN-F Rubber Flex is robust and extremely flexible, and is designed primarily as a heavy duty trailing cable for portable or mobile equipment.

**CABLE CUTTING TOOLS**



- Sprung Cable Snips (Up to 4mm<sup>2</sup>) .....V551
- Cable Cutters (Up to 38mm<sup>2</sup>) .....V552
- Cable Cutters (Up to 80mm<sup>2</sup>) .....V553

A range of cable cutters for standard everyday use, for cutting up to 80mm<sup>2</sup> cable. Larger cutters for cable up to 250mm<sup>2</sup> are available to order.

**CABLE STRIPPING TOOLS**



- Wire Stripper & Cutter (0.5-6mm<sup>2</sup>) .....V549
- Cable Strippers (to 6mm<sup>2</sup>) .....V550

A range of wire and cable strippers for removing the PVC outer sheath from cables up to 6mm<sup>2</sup> in cross section. Jaws hold the cable securely whilst the outer sheath is cut and removed in one operation.

**CABLE CRIMPING TOOLS**



- Light Duty Crimping Tool.....V534
- Ratchet Crimping Tool.....V535
- Uninsulated Terminal Crimp Tool.....V536

A range of crimping tools for insulated and uninsulated crimp terminals from 0.5mm<sup>2</sup> to 6mm<sup>2</sup>. For more information please see the crimp terminal section on page 37.

**HEAVY DUTY CRIMPING TOOL**



- Heavy Duty Copper Tube Crimper.....V554

A 39 cm heavy duty double action crimping tool for hex crimping copper tube terminals securely onto the end of cable in the range 6mm<sup>2</sup> to 50mm<sup>2</sup>.

**HEAT GUN**



- Twin Setting Electric Heat Gun .....V555

An 1800 W 230v electric heat gun with deflector shield, which is ideal for moulding heat shrink. Two heat settings at 450°C and 600°C allow flexible control of the heating rate.

**MICRO GAS TORCH**



- Micro Gas Torch .....V556
- Gas Refill Cartridge .....G789

This handy piezo spark, refillable micro gas torch, with adjustable flame, is ideal for a range of heating applications, with a flame temperature of up to 1500°C.

**SOLDERING TOOLS**



- 40W Electric Soldering Iron.....V557
- Reel of Multicore Fluxed Solder .....V558

A 40W electric soldering iron which is ideal for soldering medium to large cables. The multicore solder comes as standard on a 1/2 kilo reel of 1.6mm fluxed solder, but other sizes are available to order.

**AUTO ELECTRIC CIRCUIT TESTER**



- Auto Electric Circuit Tester .....V559

An auto electric circuit tester with a solid brass body, housing a test light. Insulation piercing contact point with protective screw cap. Testing range 6-24 V DC. Supplied complete with 750mm of insulated cable with crocodile clip.

**DIGITAL MULTIMETER**



- Digital Multi Meter.....V560

A seven function digital multimeter, for measuring DC voltage (200mV-1000V) & AC voltage (200-750V), DC current, and Resistance (200Ω to 200kΩ). Also checks continuity, and diode and bipolar transistors. Comes complete with 9v battery.

**DIGITAL VERNIER CALIPERS**



- Digital Vernier Calipers .....T200

Stainless steel digital vernier calipers with 11mm LCD display for ease of reading. Metric and Imperial calibration with conversion between the two. Zero setting control allows for comparative measurement. Supplied in carry-case, complete with 1.5v Battery.

**GROMMETS**



100 x Wiring Grommets	Cable Entry Hole Size	Fits Hole Size	100 x Blank Grommets
V537	4.0mm	6.4mm	V540
V538	7.7mm	9.3mm	V541
V539	9.5mm	12.3mm	V542
V540	12.0mm	15.8mm	V543
V541	15.8mm	20.2mm	V544
V542	19.5mm	25.0mm	V545

A range of black PVC grommets, for 1.6mm panel thickness, to protect wires and cable from wear or damage (wiring grommet), and close off unused panel holes (blanking grommet). Pack of 100 grommets.

**CABLE GLANDS**



Gland Thread Size	Cable Diameter (mm)	25 x Cable Glands
M16	5-10mm	V562
M20	6-12mm	V563
M20	10-14mm	V564
M25	13-18mm	V565

A range of black IP68 Cable Glands to secure cables to panel or wiring boxes. Pack of 25 Glands.

# Electrical Accessories

Semloh Electricrics prides itself on the huge range of mains and low voltage electrical accessories it keeps in stock. Whether you require chargers or converters, power units or plug sockets, alarms or adaptors or an extensive selection of TV Aerial and Satellite products, Semloh Electricrics can offer a superb choice of quality accessories at exceptional prices.



- Mains & 12v Power
- Mobile Mains & Leads
- Mains Equipment
- Mains Plugs & Couplers
- Edison & Berker Range
- Clipsal Range
- 12v Plugs & Sockets
- 12v Towing Electrics
- TV, Aerial & Satellite

**MAINS INSTALLATION KIT**



Mains Installation Kit.....J110

The kit includes a fully insulated Consumer Unit (with 25 Amp RCD, one 10 Amp and one 6 Amp MCB), surface mains inlet, installation cable with clips, and two 13 Amp, white, single gang switched sockets.

**CEC CONSUMER UNIT**



CEC Consumer Unit .....J130

A fully insulated Consumer Unit with 25 Amp RCD protection and one double 10 Amp single pole, switched neutral, Miniature Circuit Breaker.

**SEMLOH CONSUMER UNIT**



Semloh Consumer Unit.....J131

A fully insulated Consumer Unit with 25 Amp RCD protection and two Miniature Circuit Breakers (one 10 Amp and one 6 Amp).

**SEMLOH DP CONSUMER UNIT**



DP Consumer Unit.....J129

A fully insulated Consumer Unit with 25 Amp RCD protection and one double pole 10 Amp Miniature Circuit Breaker.

**SINGLE POLE MCB**



6 Amp MCB (SP) .....J132  
10 Amp MCB (SP) .....J133  
16 Amp MCB (SP) .....J137

A range of Single Pole miniature circuit breakers for secure electrical protection from overload or short circuit.

**SINGLE POLE & NEUTRAL MCB**



6 Amp MCB (SP&N) .....J138  
10 Amp MCB (SP&N) .....J139  
16 Amp MCB (SP&N) .....J142

A range of Single Pole & Neutral miniature circuit breakers for secure electrical protection from overload or short circuit.

**DOUBLE POLE MCB**



6 Amp MCB (DP) .....J146  
10 Amp MCB (DP) .....J147  
16 Amp MCB (DP) .....J148

A range of Double Pole miniature circuit breakers for secure electrical protection from overload or short circuit.

**RESIDUAL CURRENT DEVICES**



Spare RCD (25 Amp).....J134  
Spare RCD (40 Amp).....J136

A range of residual current devices for detecting unbalanced current flow and preventing shocks.

**12 AMP POWER UNIT**



CEC 12 Amp Power Unit.....J120  
Semloh 12 Amp Power Unit J125

Lightweight and efficient Mains to 12v transformer/battery-chargers, designed specifically for Caravan and Motorhome use, with over-current, short-circuit, and reverse polarity protection.

**PLUG IN SYSTEMS POWER UNITS**



18A Power Unit .....J119  
25A Power Unit .....J118

These intelligent 3 stage chargers from Plug In Power systems are microprocessor controlled and have full over current, short circuit, fan and thermal overload protection. Both units are lightweight, efficient and easy to install.

**MUVONICS POWER UNITS**



18A Power Unit.....T134  
25A Power Unit.....T135

These 3 stage chargers provide the optimum charge for a leisure battery, through the use of intelligent multi-stage charging. Both units have full thermal, voltage and current protection, and reverse polarity/short circuit cut-off.

**5 in 1 POWER STATION**



5 in 1 Power Station.....T199

This robust Power Station does it all: 600 amp heavy duty jump start, 200w inverter, 12v power station, 260psi air compressor, and 5 LED work light, along with AC and DC charging leads to keep the internal battery at full strength.

**POWER INVERTERS**



150 Watt Inverter .....T205  
350 Watt Inverter.....T206  
800 Watt Inverter.....T207

A range of power inverters for operating 240 volt appliances from a 12v power source. All models have electronic, fully automatic thermal and over/under voltage protection, as well as built in overload/short circuit shutdown.

**RING MP75 MINI INVERTER**



Ring MP75 Mini Invertor.....C289

This portable 75w Mini Invertor fits neatly in a standard cigar socket to give 240v power on the move, with overload protection. Ideal for boost charging a range of electronic home and mobile office equipment up to 6 Amps.

**SMART BATTERY CHARGERS**



3.5A Smart Charger .....T203  
15A Smart Charger .....T204

These microprocessor controlled, smart 12v battery chargers will automatically check the battery's condition, and will adjust the charge to provide the correct current, ensuring the longest possible battery life. Both have full built in protection.

**BATTERY TRICKLE CHARGER & TESTER**



Battery Tester .....T201  
Trickle Charger.....T202

The battery/alternator tester accurately checks the charge remaining in the battery and gives an LED readout, as well as an alternator condition reading. The 0.2 Amp Automatic 12v Trickle Charger is ideal for topping up Car or Leisure batteries at a regulated constant low rate.

**DELUXE MOBILE MAINS**



**3 gang Mobile Mains Unit.....J105**

Deluxe 3 gang, 13 Amp Mobile Mains Unit, with 20 metres of cable, pole brackets, 10 Amp Double Pole MCB, and full 25 Amp RCD Protection.

**2 GANG MOBILE MAINS**



**2 gang Mobile Mains Unit .....J107**

Double gang, 13 Amp Mobile Mains Unit, complete with 10 metres of cable, pole brackets, and 10 Amp Double Pole MCB.

**MINI MOBILE MAINS**



**1 gang Mobile Mains Unit .....J106**

Deluxe single gang Mobile Mains Unit, with 10 metres of cable, pole brackets, 10 Amp Double Pole MCB, and full 25 Amp RCD Protection.

**110v TRANSFORMERS**



**V569 V568**

- 750vA Transformer (1 x 16A).....V567
- 3KvA Transformer (2 x 16A) .....V568
- 5KvA Transformer (2 x 16A, 1 x 32A).....V569

A range of durable 230V to 110V transformers, enclosed in a yellow, IP44 splashproof, reinforced fibreglass case, with 2 metre inlet lead and a push to reset thermal overload cut-off.

**ORANGE MAINS LEADS**



- 10 metre Mains Lead .....ML10
- 15 metre Mains Lead .....ML15
- 20 metre Mains Lead .....ML20
- 25 metre Mains Lead .....ML25

A range of orange 3 x 2.5mm<sup>2</sup> 3183Y mains leads, fitted with 240v 16A Plugs and Couplers for connection from site outlet to caravan inlet.

**MAINS LEAD HOLDERS**



**L524**

**T254**

**T253**

- Mains Cable Bag .....L524
- Mains Cable Keeper .....T253
- Cable Keeper & Bag .....T254

A range of durable keepers and 600D polyester bags for the clean and tidy storage of a 25 metre orange mains lead.

**BLUE MAINS LEADS**



- 10m Leads .....J245b
- 15m Leads .....J252b

A range of blue 3 x 2.5mm<sup>2</sup> mains leads fitted with 240v 16A Site Plugs and Caravan Couplers.

**YELLOW 110v LEADS**



- 14m Lead - 1.5mm<sup>2</sup> Cable - 16A .....V570
- 14m Lead - 2.5mm<sup>2</sup> Cable - 16A .....V571
- 14m Lead - 2.5mm<sup>2</sup> Cable - 32A .....V572
- 14m Lead - 4.0mm<sup>2</sup> Cable - 32A .....V573

A range of 14 metre, yellow artic grade cable, mains extension leads, with industrial 3 pin 110V plug and coupler fitted. Note: 2.5mm<sup>2</sup> cable has a max 25A rating. Other lengths and specifications available on request.

**TRAILING SOCKET LEADS**



- 14m Lead - 1.5mm<sup>2</sup> Cable - 13A .....V574
- 14m Lead - 2.5mm<sup>2</sup> Cable - 13A .....V575

A range of 14 metre, blue artic grade cable, trailing socket leads, with household 3 pin 13A plug and rubber trailing socket fitted. Other lengths and specifications available on request.

**UK CONVERSION LEAD**



**UK Conversion Lead .....J220**

Allows a standard mains lead site plug to be connected to a 13 amp domestic socket outlet.

**DOMESTIC CONVERSION LEAD**



**Socket Conversion Lead .....J240**

Allows a 13 amp domestic plug to be connected to a standard mains lead coupler.

**CONTINENTAL CONVERSION LEAD**



**Continental Conversion Lead.....J230**

Allows a standard mains lead site plug to be connected to a continental socket outlet.

**110v SPLITTER BOXES**



**4 Way 110V Splitter Box .....V576**

A durable, yellow, 4 way 110V splitter box, with a 5 metre, yellow artic grade 2.5mm<sup>2</sup> cable inlet lead fitted with a 110V 16A plug, allowing multi appliance use. Other lengths and specifications available on request.

**CABLE DRUMS**



**V577**

**25m 2 Outlet Cable Drum....V577  
50m 2 Outlet Cable Drum....V578**

A range of robust, portable cable drums using 1.5mm<sup>2</sup> black 3183Y flexible cable, and fitted with a standard 240V 13A 3pin plug and two 13A three pin socket outlets. Other lengths, configurations and specifications available on request.

**2 GANG 20 METRE REEL LEAD**



**2 Gang 20 Metre Lead .....J720**

A 13 amp, 20 metre extension lead, on a black cable reel, fitted with two 13 amp sockets.

**4 GANG MAINS EXTENSION LEAD**



**J701**

**2m Extension Lead (White) .J700  
4m Extension Lead (Black)..J701**

A 240v 13 Amp, 4 gang socket bar fitted with 2 metres or 4 metres of cable.

**CONTINENTAL SCHUKO PLUG**



**2 pin Schuko Plug.....J141  
Waterproof Schuko Plug .....J143  
Waterproof Schuko Socket..J144**

Continental Schuko 2 pin plug for connection to continental site outlets. The waterproof plug and socket allow secure in-line connection.

**13 AMP PLUG & SOCKET**



**13A Plug (White).....J430  
13A Plug (Black).....J431  
13A Black Socket .....J437**

Standard 13 amp plugs (in white or black), and a black rubber 13 amp trailing socket.

**13 AMP COLOURED PLUGS**



**13A Plug (Beige).....J432  
13A Plug (D/Sand).....J433  
13A Plug (Honey) .....J444**

A range of coloured 13 amp Clipsal domestic plugs, to match most standard socket colours.

**3 WAY CONNECTORS**



**13A Fused Adaptor .....J435  
30A Round Connector.....J440**

Both of these devices allow secure 3 way electrical connection.

**MAINS TESTER**



**Mains Tester.....J460**

The easy way to ensure that electrical circuits are correctly wired, and to check for reversed polarity.

**RCD SAFETY PLUG**



**RCD 240v Safety Plug .....J436**

This 13 amp plug provides full RCD protection against electric shock.

**UK/WORLDWIDE ADAPTOR PLUGS**



**UK/Worldwide Adaptors .....J600**

These two separate adaptors allow 13A UK plugs to be used in most countries worldwide.

**UK/EUROPE ADAPTOR PLUGS**



**UK/Europe Adaptors .....J610**

A pair of adaptors which allow 13A UK plugs to be used in most European countries.

**TOURIST TRAVEL ADAPTOR**



**Tourist Travel Adaptor .....J605**

This plug allows most overseas plugs to be used in a UK 13A domestic socket.

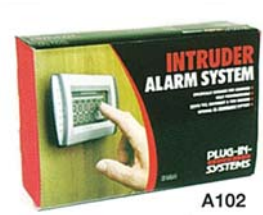
**SCHUKO to UK ADAPTOR**



**Schuko/UK Adaptor .....J615**

This Adaptor allows a continental Schuko 2 pin plug to be used in a UK 13A domestic socket.

**ALARM SYSTEMS**



**IDM4 Alarm System .....A102  
Sargent Intruder Alarm.....T260**

The IDM4 is a keypad operated alarm system specifically designed for caravan installation. Its internal rechargeable battery and power saving technology, combine with PIR, Shock/Tilt and Tow sensors to give long lasting independent security.

**DIGITAL CONTROL ELECTRIC CLOTHES DRIER**



**Electric Clothes Drier & Room Warmer .....T160**

This lightweight folding, low wattage electric clothes drier is ideal for caravan or home use. It's powerful and quiet motor dries clothes quickly and the built in programmable 180 minute timer means that drying can be unattended.



**SITE PLUGS**



J140                      J145

Site Plug (Standard).....J140  
Site Plug (Clear Back) .....J145

16 amp triple round pin Plug for connecting to UK Caravan Site Mains Outlets.

**RIGHT ANGLED SITE PLUG**



Right angled Site Plug.....J164

Right angled 16 amp Plug for connecting to UK Caravan Site Mains Outlets.

**CARAVAN COUPLERS**



J150                      J135

Caravan Coupler (Standard)....J150  
Caravan Coupler (Clear Back) J135

16 amp Coupler for connecting mains into a Caravan Inlet.

**RIGHT ANGLED COUPLERS**



R/Angled Caravan Coupler...J161

Right angled 16 amp Coupler for connecting mains into a Caravan Inlet.

**R/A COUPLER with SCHUKO**



R/A Coupler with Schuko ...J162

This right angled 16 amp Caravan Coupler also contains a Schuko 2 pin continental outlet socket at the rear.

**CARAVAN SURFACE INLET**



Surface Mounting Inlet.....J160

A 16 amp surface inlet socket, usually mounted underneath the caravan or motorhome, to allow mains connection.

**SQUARE FLUSH INLET**



Flush Mounting Square Inlet..J190

A 16 amp, flush mounting square caravan inlet, which allows mains connection.

**RECTANGULAR FLUSH INLET**



J170w                      J450w  
J180w

Rectangular Flush Inlet.....J170w  
Spare Lid and Pins.....J180w  
Spare Box with Lid .....J450w

A 16 amp, flush mounting white rectangular caravan inlet, which allows mains connection.


**FLUSH SOCKET OUTLET**



Flush Fit Socket Outlet.....J210w  
Spare Lid and Pins.....J180w  
Spare Box with Lid .....J450w

Standard white rectangular box with a 13 amp rubber domestic outlet socket, allowing exterior mains connection from the caravan to the awning.

**DELUXE FLUSH OUTLET**



J205                      J215w

Deluxe Socket Outlet .....J215w  
Spare Waterproof Socket ...J205  
Spare Lid and Pins.....J180w  
Spare Box with Lid .....J450w

Standard white rectangular box with a deluxe 13 amp waterproof outlet socket, allowing exterior mains connection from the caravan.

**MAINS & 12v OUTLET BOX**



Mains & 12v Outlet Box ..J209w

This standard size white rectangular flush fitting outlet box contains both a standard 13A rubber 240v socket outlet as well as a 12v cigar socket outlet

**GARAGE OUTLET**



Garage Outlet Socket.....J200

A wall mounted 16 amp outlet, for allowing standard mains lead connection, from garage to caravan.

**ANGLED WALL OUTLET**



Angled Wall Outlet.....J163

An angled, wall mounted 16 amp outlet, for allowing standard mains lead connection, from garage to caravan.

**FLUSH MONDO OUTLET**



Flush Mondo Outlet.....J168

Flush mounted, Mondo 16 amp wall socket outlet, for allowing standard mains lead connection, from garage to caravan.

**STRAIGHT PANEL OUTLET**



Straight Panel Outlet.....J165

Recess mounted, straight panel 16 amp socket outlet, for allowing standard mains lead connection, from electrical panel, or garage, to caravan.

**ANGLED PANEL OUTLET**

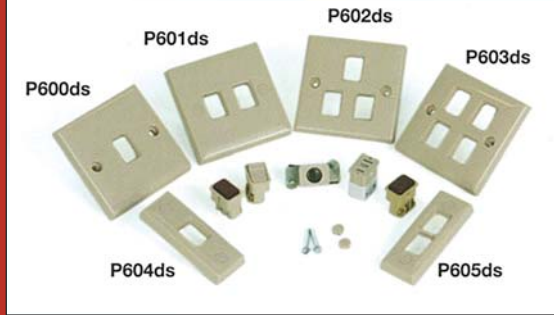


Angled Panel Outlet.....J166

Recess mounted, angled panel 16 amp socket outlet, for allowing standard mains lead connection, from electrical panel, or garage, to caravan.

## EDISON RANGE

- 1 Hole Slim Template (DS) .....P604ds
- 2 Hole Slim Template (DS) .....P605ds
- 1 Hole Square Template (DS) .....P600ds
- 2 Hole Square Template (DS) .....P601ds
- 3 Hole Square Template (DS) .....P602ds
- 4 Hole Square Template (DS) .....P603ds
- Spare Pair of Mounting Screws .....P606
- Pair of Screw Cover Plugs (DS) .....P607



- 2 Way 10A Switch Insert (DS) ....P610ds
  - 2 Pin 12v Socket Insert (DS) .....P611ds
  - Coaxial Socket Insert (DS) .....P612ds
  - Satellite Socket Insert (DS) .....P613ds
  - Blanking Off Insert (DS) .....P614ds
  - 12v Neon Red Lamp Insert (DS) ....P615
  - 240v Neon Red Lamp Insert (DS) ..P616
- N.B. The Coaxial Socket Insert can not be combined within 2 Hole Slim Templates because of its width.

The Edison electrical range of sockets is a modular system and thus individual, special socket requirements can be made up to order for customers.

### SLIM 12v 2 PIN SOCKET



- Desert Sand .....P120ds
- Honey .....P120h

12v 15A 2 Pin Polarized Slim Socket  
Dimensions: 86mm x 32mm

### SLIM COAXIAL SOCKET



- Desert Sand .....P100ds
- Honey .....P100h

Accepts Standard 75Ω Male Coaxial Plug  
Dimensions: 86mm x 32mm

### SLIM SINGLE SWITCH



- Desert Sand .....P390ds
- Honey .....P390h

240v 10A Single Slim Rocker Switch  
Dimensions: 86mm x 32mm

### SLIM SINGLE SWITCH & NEON



- Desert Sand .....P410ds
- Honey .....P410h

240v 10A Single Slim Rocker Switch with Neon indicator Lamp  
Dimensions: 86mm x 32mm

### SLIM DOUBLE SWITCH



- Desert Sand .....P415ds

240v 10A Double Slim Rocker Switch  
Dimensions: 86mm x 32mm

### SLIM MOUNTING BOX



- Desert Sand .....P420ds
- Honey .....P420h

Accepts all Edison Slim Units For Surface Mounting  
Dimensions: 87mm x 33mm x 27mm

### 2 PIN 12v PLUG



- Desert Sand .....P110ds
- Honey .....P110h

12v 10A 2 Pin Polarized Plug

### SQUARE COAXIAL & 12v SOCKET



- Desert Sand .....P135ds
- Honey .....P135h

12v 15A 2 Pin Square Polarized Socket & 75Ω Coaxial Socket  
Dimensions: 86mm x 86mm

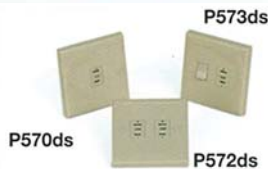
### SQUARE TV SOCKETS



- Coaxial Socket (DS).....P560ds
- Satellite Socket (DS) .....P561ds
- Coax & Sat Socket (DS) ..P562ds

A Range of Square Sockets for all Terrestrial and Digital TV Requirements  
Dimensions: 86mm x 86mm

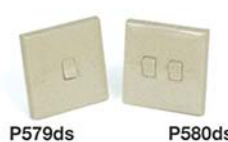
### SQUARE 12v SOCKETS



- Single 12v Socket (DS) ....P570ds
- Double 12v Socket (DS) ....P572ds
- Switched 12v Socket (DS) P573ds

A Range of Square 12v Sockets which all accept 12v 10A 2 Pin Polarized Plugs  
Dimensions: 86mm x 86mm

### SQUARE SWITCHES



- Square Single Switch (DS) P579ds
- Square Double Switch (DS)P580ds
- Square Treble Switch (DS) P581ds
- Square Quad Switch (DS) ..P582ds

A Range of Square 240v 10A Rocker Switches  
Dimensions: 86mm x 86mm

### SQUARE NEON UNITS



- Fused Conn. & Neon (DS) ..P379ds
- Fused Switch & Neon (DS) P380ds
- Double Switch & Neon (DS)P590ds

A Range of Square Connection Units, each containing a Red 240v Neon Indicator Lamp  
Dimensions: 86mm x 86mm

### 13A SWITCHED SOCKETS



P290ds P310ds

Single Socket (DS) .....P290ds  
 Single Socket (H) .....P290h  
 Double Socket (DS) .....P310ds  
 Double Socket (H) .....P310h

A Range of 240v 13A Standard Edison Switched Sockets  
 Single Dimensions: 86mm x 86mm  
 Double Dimensions: 147mm x 86mm

### SURFACE MOUNTING BOXES



P330ds P350ds

Single Gang Box (DS) ....P330ds  
 Single Gang Box (H).....P330h  
 Double Gang Box (DS)....P350ds  
 Double Gang Box (H) .....P350h

A Range of Single Gang and Double Gang Mounting Boxes  
 Single Dimensions: 87mm x 87mm  
 Double Dimensions: 147mm x 87mm

### SQUARE EDISON SOCKETS



P360ds P111ds

Schuko Euro Socket (DS) ..P111ds  
 2A 3 Rd Pin Socket (DS) .....P360ds  
 240v Dimmer Switch (DS)..P617ds

A Range of Square Edison Sockets, available in Desert Sand  
 Dimensions: 86mm x 86mm

### BLANKING PLATES



P550ds

1 Gang Blank Plate (DS)..P550ds  
 2 Gang Blank Plate (DS)..P551ds

Single and Double Edison Blanking Plates for covering Sockets which are no longer in use.  
 Dimensions: 86mm x 86mm

### BERKER 1 GANG SWITCH



1 Gang Rocker Switch.....B401

Frame shown supplied seperately .....B400

Berker Modular Black 1 Gang 240v Rocker Switch  
 Dimensions: 55mm x 55mm

### BERKER 2 GANG SWITCH



2 Gang Rocker Switch .....B406

Frame shown supplied seperately .....B400

Berker Modular Black 2 Gang 240v Rocker Switch  
 Dimensions: 55mm x 55mm

### BERKER COAXIAL SOCKET



75Ω Coaxial Socket .....B404

Frame shown supplied seperately.....B400

Berker Modular Black Coaxial Socket. Accepts standard 75Ω male coaxial plug  
 Dimensions: 55mm x 55mm

### BERKER COAX & SAT SOCKET



Twin TV Socket .....B403

Frame shown supplied seperately .....B400

Berker Modular Black Coaxial and Satellite Socket  
 Dimensions: 55mm x 55mm

### BERKER 240v 13A SOCKET



240v 13A Socket .....B402

Frame shown supplied seperately.....B400

Berker Modular Black 240v 13A Socket  
 Dimensions: 55mm x 55mm

### BERKER FRAME FOR SOCKETS



Frame needed for all Berker sockets.....B400

Berker Modular Black Frame, needed for all Berker sockets  
 Dimensions: 58mm x 58mm

### BERKER SURFACE MOUNTING BOX



Surface Mounting Box .....B405

Berker Modular Black Surface Mounting Box for all Berker sockets  
 Dimensions: 59mm x 59mm x 41mm

### CLIPSAL SCHUKO SOCKET



Square Schuko Socket (DS) .....J111ds

Clipsal Square Desert Sand Schuko Standard Euro Mains Socket  
 Dimensions: 87mm x 87mm

### CLIPSAL SINGLE SWITCH



Square Single Switch (DS) .....J381ds

Clipsal Square Desert Sand Single 240v 10A Switch  
 Dimensions: 87mm x 87mm

### CLIPSAL DOUBLE SWITCH & NEON



Double Switch & Neon (B) ..J581b

Clipsal Square Beige Double 240v 10A Switch with Red Neon Indicator Lamp  
 Dimensions: 87mm x 87mm

### 2 PIN 12v PLUG



Beige .....B110b  
 Honey .....B110h  
 Black .....B110k

12v 10 Amp 2 Pin Polarized Plug

### 3 PIN 2A ROUND PIN PLUG



Beige .....J370b  
 Desert Sand .....J370ds  
 Honey .....J370h

3 Pin 240v 2 Amp Round Pin Plug

## CLIPSAL RANGE



Clipsal products are produced in a wide range of colours.  
Please check the individual boxes in this section for availability.  
Black fittings can also be supplied to order with Chrome or Gold surrounds, as well as Silver Sand.

### SLIM 12v 2 PIN SOCKET



Beige .....B120b  
Desert Sand .....B120ds  
Honey .....B120h  
Silver Sand .....B120ss

12v 15A 2 Pin Polarized Socket  
Dimensions: 75mmx32mm

### SLIM COAXIAL SOCKET



Beige .....B100b  
Desert Sand .....B100ds  
Honey .....B100h  
Silver Sand .....B100ss

Accepts Standard 75Ω  
Coaxial Plug  
Dimensions: 75mmx32mm

### SLIM SINGLE SWITCH



Beige .....J390b  
Desert Sand .....J390ds  
Silver Sand .....J390ss

240v 10 Amp Single  
Rocker Switch  
Dimensions: 75mmx32mm

### SLIM SMALL MOUNTING BOX



Beige .....J400b  
Desert Sand .....J400ds  
Honey .....J400h  
Black .....J400k

Accepts 75mmx32mm Slim Units  
Dimensions: 78mmx35mmx25mm

### SLIM COAXIAL & 12v SOCKET



Beige .....B130b  
Desert Sand .....B130ds  
Honey .....B130h  
Silver Sand .....B130ss

12v 15A 2 Pin Polarized Socket  
and Coaxial Socket  
Dimensions: 86mmx32mm

### SLIM SINGLE SWITCH & NEON



Beige .....J410b  
Desert Sand .....J410ds  
Honey .....J410h  
Silver Sand .....J410ss

240v 10A Single Switch with  
Neon Indicator Lamp  
Dimensions: 86mmx32mm

### SLIM DOUBLE SWITCH



Beige .....J415b  
Desert Sand .....J415ds  
Honey .....J415h  
Silver Sand .....J415ss

240v 10A Double Rocker Switch  
Dimensions: 86mmx32mm

### SLIM LONG MOUNTING BOX



Beige .....J420b  
Desert Sand .....J420ds  
Honey .....J420h  
Black .....J420k

Accepts 86mmx32mm Slim Units  
Dimensions: 88mmx35mmx25mm

### 3 PIN 2 Amp SOCKET



Beige .....J360b  
Desert Sand .....J360ds  
Honey .....J360h

Accepts 3 Pin 240v 2A  
Round Pin Plug  
Dimensions: 87mmx87mm

### SQUARE 12v 2 PIN SOCKET



Beige .....J570b  
Desert Sand .....J570ds  
Honey .....J570h  
Silver Sand .....J570ss

12v 15A 2 Pin Polarized Socket  
Dimensions: 87mmx87mm

### SQUARE COAXIAL SOCKET



Beige .....J560b  
Desert Sand .....J560ds  
Honey .....J560h  
Silver Sand .....J560ss

Accepts Standard 75Ω  
Coaxial Plug  
Dimensions: 87mmx87mm

### SQUARE COAXIAL & 12v SOCKET



Beige .....B135b  
Desert Sand .....B135ds  
Honey .....B135h  
Silver Sand .....B135ss

12v 15A 2 Pin Polarized Socket  
and Coaxial Socket  
Dimensions: 87mmx87mm

**FUSED SWITCH with NEON**



Beige .....J380b  
Desert Sand .....J380ds  
Honey .....J380h  
Silver Sand .....J380ss

240v 13 Amp Switched Fused Connector with Neon Lamp  
Dimensions: 87mmx87mm

**SQUARE DOUBLE SWITCH**



Beige .....J580b  
Desert Sand .....J580ds  
Honey .....J580h  
Silver Sand .....J580ss

2 Way 240v 10A Double Rocker Switch  
Dimensions: 87mmx87mm

**SQUARE BLANKING PLATE**



Beige .....J550b  
Desert Sand .....J550ds  
Honey .....J550h

For blanking unused Sockets  
Dimensions: 87mmx87mm


**SINGLE GANG SWITCHED SOCKET**



Beige .....J290b  
Desert Sand .....J290ds  
Honey .....J290h  
Silver Sand .....J290ss  
White .....J290w

240v 13 Amp Standard Single Switched Socket  
Dimensions: 87mmx87mm

**DOUBLE GANG SWITCHED SOCKET**



Beige .....J310b  
Desert Sand .....J310ds  
Honey .....J310h  
Silver Sand .....J310ss  
White .....J310w

240v 13 Amp Standard Double Switched Socket  
Dimensions: 147mmx87mm

**SINGLE GANG SURFACE MOUNTING BOX**



Beige .....J330b  
Desert Sand .....J330ds  
Honey .....J330h  
Black .....J330k  
White .....J330w

Accepts 87mmx87mm Square Single Gang Units  
Dimensions: 89mmx89mmx30mm

**SINGLE GANG FLUSH MOUNTING BOX**



Beige .....J470b  
Desert Sand .....J470ds  
Black Trim .....J470k

Accepts 87mmx87mm Square Single Gang Units  
Dimensions: 89mmx89mmx30mm


**DOUBLE GANG SURFACE MOUNTING BOX**



Beige .....J350b  
Black .....J350k  
White .....J350w

Accepts 147mmx87mm Double Gang Units  
Dimensions: 149mmx89mmx30mm

**DUAL SINGLE GANG FLUSH MOUNTING BOX**



Beige .....J480b  
Desert Sand .....J480ds  
Black Trim .....J480k

Accepts two 87mmx87mm Square Single Gang Units  
Dimensions: 175mmx89mmx30mm

**SINGLE GANG (RECESSED) SURFACE MOUNTING BOX**



Beige .....J421b  
Trim for Honey .....J422h

Accepts 87mmx87mm Square Single Gang Units  
Dimensions: 89mmx89mmx30mm

**DUAL SINGLE GANG (RECESSED) SURFACE MOUNTING BOX**



Black .....J423k

Accepts two 87mmx87mm Square Single Gang Units  
Dimensions: 175mmx89mmx30mm

**MULTI SINGLE GANG (RECESSED) SURFACE MOUNTING BOX**



Triple Black .....J424k  
Quadruple Honey .....J425h

Accepts three or four 87mmx87mm Square Single Gang Units  
Dimensions: Various mmx89mmx30mm

**SPARE CLIPSAL ARCHITRAVE FRAMES**



Chrome Frame .....J395c  
Gold Frame .....J395go  
Black Frame .....J395k  
Silver Sand Frame .....J395ss

A range of Slim clip on Clipsal frames in modern colours, which fit any Black Architrave Clipsal fitting.

**SPARE CLIPSAL SQUARE FRAMES**



Chrome Frame .....J396c  
Gold Frame .....J396go  
Black Frame .....J396k  
Silver Sand Frame .....J396ss

A range of Square clip on Clipsal frames in modern colours, which will fit any Black Square Clipsal fitting.

**SPARE CLIPSAL DOUBLE FRAMES**



Chrome Frame .....J397c  
Black Frame .....J397k  
Silver Sand Frame .....J397ss

A range of Double clip on Clipsal frames in modern colours, which will fit any Black Double Clipsal fitting.

**DRY LINING BOXES FOR ELECTRICAL SOCKETS**



Single Dry Lining Box .....N107  
Double Dry Lining Box .....N108  
Twin Dry Lining Box .....N109

A range of white Dry Lining Boxes for recessed mounting of single, double and twin electrical sockets. Box depth is 34mm.

**SENATE PLUG & SOCKET**



Senate 2 Pin Plug (10) .....B190  
Senate 2 Pin Socket (10) ....B200

Standard 12v 10 amp Fitting in many older Caravans and Folding Campers.

**GERU PLUG & SOCKET**



Geru/Hella Plug .....B262  
Geru Socket & Cap .....B264

Single Pole 12 volt 10 amp Marine quality plug & socket, available with rubber cap.

**CIGAR PLUG & SOCKET**



Cigar Plug .....B290  
Cigar Socket(Recessed).....B260  
Cigar Socket(Surface) .....B261

12 volt Cigar Lighter Socket fittings. Ideal for a range of car and caravan accessories.

**CIGAR PLUG & SOCKET**



Heavy Duty Cigar & Geru Plug.....T214  
Cigar Plug & Cable.....T213  
New Surface Socket.....B261

A range of 12v Cigar Plugs and new design surface socket for easy 12v connection. The heavy duty cigar plug (T214) also adapts to a Geru/Hella single pole plug connection.

**CIGAR PLUG 2 WAY ADAPTOR**



Cigar Plug 2 Way Adaptor ..B280

Splits a single 12 volt Cigar Plug feed into two sockets.

**ADAPT IT**



Adapt It Lead .....B220

A 12 volt adaptor lead that converts from a Senate 2 pin 10A plug to a Cigar socket.

**ADAPT IT 3**



Adapt It 3 Lead .....B240

A 12 volt adaptor lead that converts from a Clipsal 2 pin 10A plug to a Cigar socket.

**ADAPT IT 4**



Adapt It 4 Lead .....B245

A 12 volt 1 metre adaptor lead that converts from a pair of insulated Crocodile Clips to a Cigar socket.

**ADAPT IT 5**



Adapt It 5 Lead .....B246

A 12v adapter lead that converts from a single pole Geru/Hella Plug to a Cigar Socket.

**CIGAR PLUG EXTENSION LEAD**



Cigar Plug Extension Lead....B270

A 2 metre Cigar Plug to Cigar Socket Extension Lead.

**EXTEND IT LEAD**



Extend It Lead .....B271

A useful 3 metre 12 volt extension lead from Senate 2 pin plug to Senate Socket.

**12v EXTENSION REEL (AUTO RETRACTING)**



12v Extension Reel .....T212

This retractable 3 metre 12v extension lead automatically rewinds on to its sturdy reel, which has a handy recessed hanging hook and integral cigar socket.

**12v POWER SOCKETS**



2 in 1 Socket Lead.....T208  
3 in 1 Socket Lead (Cigar Lighter) ...T209  
4 in 1 Socket Lead (Bat.T. Tester) .....T210  
2 in 1 Adjustable Lead .....T211

A range of handy 12 volt power source adaptors, for multiple appliance use. T209 also has a cigar lighter socket, whilst T210 has a built in battery tester.

**BATTERY CUT OFF SWITCH**



Battery Isolator Switch .....B281

A single pole, mechanically operated, 100 Amp battery isolator switch, with two keys, and a weatherproof cap. Other switch types available to order.

**RELAYS & SENSORS**



Audible Towing Sensor .....E170  
LED Front End Sensor .....E171  
Combination Split Relay .....E172

A range of Relay and Audible Signal Devices, to meet most relay needs on 12 volt vehicles. Please ask for individual specification of relays.

**COMBINATION RELAYS**



Semloh Combi Relay Kit.....E175  
Combi Master Relay Kit.....E180

Combined Fridge, Power Supply, and Split Charging Relays, which allow the Caravan Refrigerator to function and an Auxiliary Battery to be charged whilst towing.

**7 PIN 12N PLASTIC**



12N Plastic Plug .....E100  
 12N Plastic Socket .....E120  
 12N Socket (Fog Cut-Out) ..E121

7 Pin Plastic Plug and Socket for connecting Running Lights.

**7 PIN 12N METAL**



12N Metal Plug .....E105  
 12N Metal Socket .....E135

7 Pin Metal Plug and Socket for connecting Running Lights.

**7 PIN 12S PLASTIC**



12S Plastic Plug .....E110  
 12S Plastic Socket .....E130

7 Pin Plastic Plug and Socket for connecting Supplementary Power Feeds.

**24v COMMERCIAL PLUGS & SOCKETS**



24N Metal 7 Pin Plug .....V400  
 24N Metal 7 Pin Socket .....V401  
 24S Metal 7 Pin Plug .....V402  
 24S Metal 7 Pin Socket .....V403

Durable alloy 24 volt trailer plugs and sockets for connecting running lights and interior power on commercial vehicles.

**BOLTS & GASKET**



Socket 3 Bolt/Nut Set .....E267  
 Socket Rubber Gasket .....E265

For securing 12N and 12S Sockets, and making watertight.  
**N.B.** For Single and Double Backing Plates, please see the CHASSIS-Towing Fittings section.

**PRE-WIRED LEADS**



12N 6m Extension Lead .....E159    12S 6m Extension Lead.....E159

6 metre 12N and 12S pre-wired leads which are ideal for extending trailing 12N and 12S cables, or trailer boards.

**IN-LINE COUPLERS**



12N Coupling Socket .....E266  
 12S Coupling Socket.....E264

In-Line Coupling Sockets, which accept 12N and 12S Plugs.

**PRE-WIRED SOCKETS**



12N Socket and Plate .....E140  
 12S Socket and Plate.....E150

Pre-wired 12N and 12S Sockets, fitted to back plates, supplied with 1.5 metres of cable.

**PRE-WIRED TWIN SOCKET**



Twin Sockets and Plate .....E160

Pre-wired Twin 12N and 12S Sockets, fitted to Tee back plate, supplied with 1.5 metre lengths of cable.

**DELUXE WIRING KITS**



Deluxe 12N Wiring Kit.....D520  
 Deluxe 12S Wiring Kit.....D525

These Kits contain Pre-wired sockets, with a relay and the wire and connectors to install it.

**DELUXE TWIN WIRING KIT**



Deluxe Twin Wiring Kit.....D510

This Kit contains a Pre-wired Twin socket, with a relay and the wire and connectors to install it.

**13 PIN PLUG & SOCKET**



13 Pin Plug .....E162  
 13 Pin Socket.....E165

This 13 Pin 12v system is used widely on the continent instead of twin 12N and 12S connection.

**13 PIN PLATE SOCKET**



13 Pin Plate Socket.....T279

A 13 Pin 12v socket for mounting on an extension socket plate.

**13 PIN/7 PIN ADAPTORS**



13 Pin Plug to 7 Pin Socket Adaptor .....E168  
 13 Pin Socket to 7 Pin Plug Adaptor .....E169

These two adaptors are ideal for allowing continental 13 pin car/caravan towing electric systems to be used with British 7 pin car/caravan towing electric systems.

**13 PIN ADAPTOR LEADS**



13 Pin Socket to twin 7 Pin Plug Adaptor Lead.....E166  
 13 Pin Plug to twin 7 Pin Socket Adaptor Lead.....E161

These Leads enable easy connection between standard 12N/12S 7 Pin systems and 13 Pin Continental Systems.

**MALE COAXIAL PLUG**



Male Plug .....B160

Standard 75Ω Coaxial Male Plug.

**FEMALE COAXIAL PLUG**



Female Plug .....B170

Standard 75Ω Coaxial Female Plug.

**COAXIAL INLINE COUPLER**



Inline Coupler .....B155

75Ω Coaxial Coupler to join Coaxial leads.

**COAXIAL "Y" SPLITTER**



"Y" Splitter .....B175

This splitter is used to separate one coaxial feed into two matched feeds.

**COAXIAL SURFACE SOCKET**



Surface Socket.....B140

Surface mounting 75Ω Coaxial Socket.

**SOCKET with PREWIRED LEAD**



Prewired Socket.....B150

Waterproof, pre-wired coaxial socket for exterior fitting to vehicles. Supplied with 5 metres of cable.

**COAXIAL FLYLEAD**



Flylead.....B180

2 metre 75Ω Coaxial Fly-lead.

**COAXIAL CABLE LEADS**



4 Metre Coaxial Lead.....B307  
10 Metre Coaxial Lead.....B308

Longer coaxial fly-leads, complete with back-to-back coaxial connectors.

**COAXIAL CABLE**



100m of Coaxial Cable.....B185  
25m of Coaxial Cable.....B186

Convenient reels of White 75Ω Coaxial Cable, for selling by the metre. Ideal for both Retail and Workshop.

**COAXIAL RADIO PLUG**



Radio Plug .....B165

Metal 75Ω Coaxial Long Pin Radio Plug.

**SATELLITE LEAD (2 METRES)**



Satellite Lead (2m) .....N259

A 2 metre long, F plug to F plug, white satellite lead.

**PAIR OF SATELLITE F CONNECTORS**



Satellite F Connectors (2).....A106

A pair of Maxview satellite F type connectors, complete with O rings, suitable for all types of 5-6mm satellite cable.

**SURFACE MOUNTING SATELLITE POINT**



Surface Satellite Point.....N258

A surface mounting satellite point for F Type Connectors and satellite cable.

**WEATHERPROOF COAXIAL SOCKET**



Weatherproof Socket.....B309

Provides a neat external weatherproof cable entry point for an aerial signal into a caravan. Includes 3 metres of cable and suitable connectors.

**WEATHERPROOF SATELLITE SOCKETS**



Single Satellite F Socket ....B329  
Twin Sat F & Coax Socket ..B327

These weatherproof sockets provide an ideal external cable entry point into the caravan or mobile home. Includes 3 metres of cable and suitable connectors

**UNIVERSAL TV POWER LEAD**



Power Lead.....B250

D.C. Power Lead with reversible socket and 4 interchangeable plugs – 1.3mm, 2.1mm, 2.5mm, and 3.5mm mono jack plug.



### MASTED TV AERIAL and ACCESSORIES



- Masted TV Aerial (Complete with Mast and Clamps) .....A110
- TV Aerial with Fixing Clamp only .....A111
- Aerial Mast Pole Set with Jockey Wheel Clamp only .....A120
- Jockey Wheel Clamp only .....A130
- Fixing Clamp only .....A140

Complete Set or Individual Components

### RADIO AERIAL



Radio Aerial .....A150

Compact Leisure Radio Aerial with built in Amplifier.

### TRUVISION AERIAL



TruVision Set Top Aerial.....B303

The Maxview TruVision Aerial is designed to receive all available analogue and strong digital terrestrial UHF TV signals, and comes complete with 2 metres of cable.

### MOBILE GOLD AERIAL



Mobile Gold Aerial.....B300

The Maxview Mobile Gold Touring Aerial is a wideband UHF external directional aerial, for use in strong signal areas. It comes complete with 5 metres of coaxial cable, universal fixing mast, and accessories.

### COMPACT HIGH GAIN AERIAL



Compact High Gain Aerial..B301

The Maxview Compact High Gain UHF Aerial is designed for optimum reception in weaker signal areas, and features a multi-element, anti ghost reflector for rejecting unwanted signals whilst enhancing forward directivity and gain.

### COMPACT LOG PERIODIC AERIAL KIT



Compact Log Aerial Kit .....B320

This Compact Log Periodic UHF TV Aerial comes complete with a lightweight aluminium Jockey Wheel Mast (B323) and a hard-wearing terrestrial aerial kit holdall (B321).

### DIGIMASTER DIGITAL AERIAL



Digimaster Digital Aerial .....A109

A superb quality digital high gain TV aerial, working even in poor to moderate signal areas. CAI 2 and digital tick approved, the aerial has a tilt and slide clamp, PCB Balun intensifier, large rear reflectors, and comes pre-wired with 10m of CAI benchmark approved cable.

### OMNIMAX AERIAL



Omnimax Aerial.....B302

The Maxview Omnimax Aerial is designed to receive all available UHF TV and VHF/FM signals through 360°. The Aerial features a 12 volt variable signal booster and includes 5 metres of coaxial cable and accessories.

### GAZELLE AERIAL



Gazelle Aerial.....B328

A streamlined omnidirectional 12v/24v aerial, ideal for all UHF/VHF/FM signals. It comes complete with low noise integral head amplifier and variable gain booster.

### TELECO WING AERIAL



Teleco Wing Aerial .....B350

The Teleco Wing is a superbly aerodynamic, roof-mounted, omnidirectional aerial, ideal for UHF and VHF B3 channel reception. Complete with high-gain amplifier.

### UNIVERSAL AERIAL CLAMPS



Pair of Universal Clamps....B305

Pair of strong adjustable clamps with self adhesive/screw-in mounting brackets.

### JOCKEY WHEEL MAST



Jockey Wheel Mast.....B323

This lightweight aluminium aerial mast comes complete with two universal jockey wheel clamp brackets, giving optimum stability, and extends to a height of 3.6m.

### VARIABLE SIGNAL BOOSTER



Variable Signal Booster .....B306

The Maxview 12/24v Variable Gain Signal Booster amplifies and improves picture quality in weak reception areas.

### TV TURNTABLE



TV Turntable .....B304

This 320mm diameter Turntable, with non-slip rubber feet will support a TV weighing up to 160kg, and rotates fully through 360°.

### PADDED TV/COMBI BAG



Padded TV/Combi Bag (Navy) .....L513

A quality Blue Diamond padded bag to carry and protect standard portable TVs or TV/Video Combination sets. Available in navy colourway.

**FLAT SCREEN TV with DVD and DVB-T FREEVIEW**



**LCD TV/DVD/DVB-T.....T150**

This top quality 15" LCD TV has it all - superb picture quality, a built in DVD/CD player, and an integrated DVB-T Freeview TV receiver for satellite reception. Running on both 240v AC and 12v DC, this is the ideal portable entertainment system.

**FLAT SCREEN TV PADDED BAG**



**Flat Screen TV Bag.....L517**

The ideal protection for your portable entertainment system, this strong, thick padded, 600D polyester carry case is both stylish and practical, and is designed to accept a 15" LCD television.

**DIGITAL 'FREE TO AIR' SATELLITE RECEIVER**



**Digital Satellite Receiver .....B314**

This 240v/12v 'Free to Air' digital satellite receiver receives over 200 free TV & radio channels, including BBC and ITV, and comes complete with remote control, power supply and cigar plug adaptor.

**OMNISAT CAMPING KIT SATELLITE SYSTEM**



**Omnisat Camping Kit .....B315**

The Omnisat Camping Satellite Kit is easy to use with a Satellite Receiver in both the UK and Central Europe. It contains a 40cm dish, universal LNB, a range of mounts (or just use in the carry case), coaxial cable and a compass.

**SATELLITE FINDERS**



**Maxview Satellite Finder ....B312  
Satellite Finder .....A108**

These ingenious Satellite Finders are an essential tool for locating a strong digital satellite signal with all satellite systems, combining variable audible tone and ascending visual LED display for ease of adjustment.

**SATELLITE COMPASSES**



**Std Satellite Compass .....B313  
Digital Satellite Compass...B322**

Both of these navigational compasses have an alignment window to help locate satellite signal zones quickly and easily, whilst the back lit LCD digital compass also comes complete with suction pads for window mounting.

**SATELLITE TRIPODS**



**Std Satellite Tripod.....B311  
Deluxe Satellite Tripod.....B324**

These Satellite Dish Tripod Stands ensure optimum positioning of satellite systems away from the leisure vehicle, with rotating sections for ease of alignment, and secure location ground pegs. The deluxe stand has an extra 500mm height adjustment.

**SPARE CARRY BAGS**



**Terrestrial Aerial Kit Holdall.B321  
Satellite Kit Holdall .....B322**

These robust carry holdalls are ideal for storage or travel. Specifically designed to hold complete satellite or terrestrial aerial kits, they avoid damage to both the aerial and the leisure vehicle during transportation.

**MAXVIEW OMNISAT SATELLITE SYSTEMS**

**OMNISAT PORTABLE SATELLITE SYSTEMS**



**54cm Satellite Kit with Holdall.....B330  
54cm Satellite Dish Only .....B325  
66cm Satellite Kit with Holdall.....B331  
66cm Satellite Dish Only .....B326**

These Portable Satellite Kits come complete with Tripod Stand, Satellite Finder, Omnisat Compass, strong Carry Holdall and a choice of either an offset 54cm dish or elliptical 80cm x 66cm satellite dish, for improved digital satellite reception throughout Europe. Both dishes have a folding universal LNB reception arm, and easy to use satellite map for dish alignment.

**OMNISAT THROUGH THE ROOF SATELLITE SYSTEMS**



**Complete Semitronic 66cm Satellite Kit ...B318  
Semitronic 66cm Elliptical Dish Pack.....B316  
Spare Through the Roof Aerial Mast.....B317**

The Omnisat Semitronic 66cm Elliptical Dish Pack is a digital semi-automatic satellite system, designed for mounting on a Through the Roof Omnimast, and comes complete with a 80cm x 66cm elliptical dish, Universal LNB and a 12/24v Control box, to automatically raise the dish to the required elevation. Azimuth adjustment is achieved by rotating the mast. The dish locks down at a 21cm height during travel.

**OMNISAT ROOF MOUNTED SATELLITE SYSTEMS**



**Omnisat 66cm Crank Up Satellite System ....B319**

The Omnisat Manual Crank Up Satellite System is permanently roof mounted in any convenient position, and is easy to align from inside the leisure vehicle using the ceiling mounted crank-up handle and an elevation zone map. The elliptical 80cm x 66cm dish and universal LNB make this system ideal for digital satellite reception throughout Europe. The fold down height during travel is 26cm.

# Connectors & Fuses

All wiring circuits require secure, fast and efficient electrical connection and the ability to avoid circuit damage by installing quality fuse protection. Semloh Electrics stock a huge variety of connectors for all types of cable and wire, or battery connection, as well as a wide range of fuses and fuse holders which are ideal for auto electrical use.



- Pre-Insulated Crimp Terminals
- Crimp Connectors
- Battery, Starter & Earthing Leads
- Copper Tube Terminals
- Battery Terminals
- Covers, Croc Clips & Jump Leads
- Relays & Multiple Connections
- Fuses
- Fuse Holders

## PRE-INSULATED CRIMP TERMINALS



Semloh Electrics stock a large range of tin-plated, copper crimp terminals, with PVC insulation and anti-vibrate inserts. All terminals conform to BS4579 and BS4G178 and are ideal where you need to make a fast and reliable electrical connection. Available in Retail Packs of 5, or Bulk Packs of 50 or 1000 terminals. Other terminal types and sizes quoted on request.

TYPE OF CRIMP TERMINAL		RED TERMINALS			BLUE TERMINALS			YELLOW TERMINALS		
		For cable conductors between 0.5mm <sup>2</sup> and 1.5mm <sup>2</sup> (16/0.2 to 21/0.3)			For cable conductors between 1.5mm <sup>2</sup> and 2.5mm <sup>2</sup> (21/0.3 to 35/0.3)			For cable conductors between 3mm <sup>2</sup> and 6mm <sup>2</sup> (44/0.3 to 84/0.3)		
		Pack 5	Pack 50	Pack 1000	Pack 5	Pack 50	Pack 1000	Pack 5	Pack 50	Pack 1000
	MALE SPADE TERMINALS – 6.3mm	K161	K162	V400	K163	K164	V401	K165	K166	V402
	FEMALE SPADE TERMINALS – 6.3mm	K261	K262	V403	K263	K264	V404	K265	K266	V405
	FEMALE SPADE TERMINALS – 6.3mm (Fully insulated)	K361	K362	V406	K363	K364	V407	K365	K366	V408
	PIGGYBACK SPADE TERMINALS – 6.3mm	K461	K462	V409	K463	K464	V410	K465	K466	V411
	MALE BULLET TERMINALS - 4mm - 5mm	K541 -	K542 -	V412 -	K543 K553	K544 K554	V413 V414	- K555	- K556	- V415
	FEMALE BULLET TERMINALS - 4mm - 5mm	K641 -	K642 -	V416 -	K643 K653	K644 K654	V417 V418	- K655	- K656	- V419
	FORK TERMINALS 3.2mm M3 3.7mm M3.5 4.3mm M4 5.3mm M5 6.4mm M6	K721 K731 K741 K751 K761	K722 K732 K742 K752 K762	V420 V422 V425 V428 V431	K723 K733 K743 K753 K763	K724 K734 K744 K754 K764	V421 V423 V426 V429 V432	- K735 K745 K755 K765	- K736 K746 K756 K766	- V424 V427 V430 V433
	RING TERMINALS 3.2mm M3 3.7mm M3.5 4.3mm M4 5.3mm M5 6.4mm M6 8.4mm M8 10.5mm M10	K821 K831 K841 K851 K861 K881 K891	K822 K832 K842 K852 K862 K882 K892	V434 V436 V438 V441 V444 V447 V450	K823 K833 K843 K853 K863 K883 K893	K824 K834 K844 K854 K864 K884 K894	V435 V437 V439 V442 V445 V448 V451	- - K845 K855 K865 K885 K895	- - K846 K856 K866 K886 K896	- - V440 V443 V446 V449 V452
	BUTT CONNECTOR TERMINALS 3.3 to 5.5mm	K931 3.3 x 23mm	K932 3.3 x 23mm	V453 3.3 x 23mm	K943 4.0 x 25mm	K944 4.0 x 25mm	V454 4.0 x 25mm	K935 5.5 x 27mm	K936 5.5 x 27mm	V455 5.5 x 27mm

TYPE OF CONNECTOR		RED TERMINALS			BLUE TERMINALS			YELLOW TERMINALS		
		For cable connectors between 0.5mm <sup>2</sup> and 1.5mm <sup>2</sup> (16/0.2 to 21/0.3)			For cable connectors between 1.5mm <sup>2</sup> and 2.5mm <sup>2</sup> (21/0.3 to 35/0.3)			For cable connectors between 3mm <sup>2</sup> and 6mm <sup>2</sup> (44/0.3 to 84/0.3)		
		Pack 5	Pack 50	Pack 1000	Pack 5	Pack 50	Pack 1000	Pack 5	Pack 50	Pack 1000
	<b>PRE-INSULATED PIN TERMINALS</b>	V456 12.0 x1.9mm	V457 12.0 x1.9mm	V458 12.0 x1.9mm	V459 12.0 x1.9mm	V460 12.0 x1.9mm	V461 12.0 x1.9mm	V462 14.0 x2.9mm	V463 14.0 x2.9mm	V464 14.0 x2.9mm
	<b>PRE-INSULATED BLADE TERMINALS</b>	V465 18.4 x2.3mm	V466 18.4 x2.3mm	V467 18.4 x2.3mm	V468 18.4 x2.3mm	V469 18.4 x2.3mm	V470 18.4 x2.3mm	V471 10.0 x2.8mm	V472 10.0 x2.8mm	V473 10.0 x2.8mm
	<b>PRE-INSULATED HEAT SHRINK BUTT TERMINALS</b> Adhesive Lined	V474	V475	V476	V477	V478	V479	V480	V481	V482
	<b>SELF STRIPPING CONNECTORS</b>	V483	V484	V485	V486	V487	V488	V489	V490	V491
	<b>NON INSULATED FEMALE SPADE TERMINALS</b>	 <b>4.8mm FEMALE SPADE TERMINAL</b>			 <b>6.3mm FEMALE SPADE TERMINAL</b>			 <b>PVC TERMINAL COVER</b>		
		V492	V493	V494	V495	V496	V497	V498	V499	V500
	<b>BRASS BULLETS &amp; CONNECTORS</b>	 <b>BRASS BULLET (Up to 2mm<sup>2</sup>)</b>			 <b>SINGLE CONNECTOR</b>			 <b>DOUBLE CONNECTOR</b>		
		V501	V502	V503	V504	V505	V506	V507	V508	V509
	<b>CLOSED END CONNECTORS</b>	For Cable from 1 to 1.75mm <sup>2</sup>			For Cable from 1 to 2.5mm <sup>2</sup>			For Cable from 2 to 5.5mm <sup>2</sup>		
		V510	V511	V512	V513	V514	V515	V516	V517	V518
	<b>12 WAY CONNECTOR STRIPS</b> Polyethylene Max: 415v -15°C to +85°C	<b>2.5mm<sup>2</sup> 3 AMP STRIP</b>			<b>4mm<sup>2</sup> 5 AMP STRIP</b>			<b>10mm<sup>2</sup> 15 AMP STRIP</b>		
		V519	V520	V521	V522	V523	V524	V525	V526	V527
		<b>16mm<sup>2</sup> 30 AMP STRIP</b>			<b>25mm<sup>2</sup> 60 AMP STRIP</b>			Please speak to our Sales Department if you require any other type or size of connector		
		V528	V529	V530	V531	V532	V533			

## CRIMPING TOOLS FOR CRIMP TERMINALS

**LIGHT DUTY CRIMPING TOOL**



Light Duty Crimping Tool.....V534

Light duty Crimping Tool for red, blue and yellow pre-insulated terminals. Also crimps non-insulated terminals from 0.75mm<sup>2</sup> to 6mm<sup>2</sup>, strips wire 0.75mm<sup>2</sup> to 6mm<sup>2</sup>, cuts bolts, and has an integral wire cutter.

**RACHET CRIMPING TOOL**



Ratchet Crimping Tool.....V535

Heavy duty Ratchet Crimping Tool for red, blue and yellow pre-insulated terminals. The tool has an adjustable tensioner, replaceable jaws, indents on the jaws which identify which jaw has been used, and ergonomically designed handles to reduce operator fatigue.

**UNINSULATED TERMINAL CRIMPING TOOL**

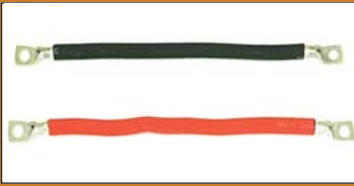


Uninsulated Terminal Crimping Tool .....V536

Ratchet Crimping Tool for un-insulated terminals 0.5mm<sup>2</sup> to 6.0mm<sup>2</sup>. The tool has an adjustable tensioner, replaceable jaws, and ergonomically designed handles to reduce operator fatigue.

# BATTERY, STARTER & EARTHING LEADS

## 16mm<sup>2</sup> FLEXIBLE STARTER LEAD (8mm RING to 8mm RING)



A range of top quality Flexible Starter Leads, available in lengths from 150mm to 1065mm, and using multistranded 16mm<sup>2</sup> copper conductors with black or red PVC insulation, terminated with crimped 8mm ring terminals. Ideal for use as starter or battery leads in cars and small commercial vehicles.

Semloh Code	PVC Sleeve Colour	Description	Terminals	Metric	Approx Imperial Length
B600	Black	16mm <sup>2</sup> Flexible Starter Lead	8mm Ring to 8mm Ring	150mm	6"
B601	Red				
B602	Black	16mm <sup>2</sup> Flexible Starter Lead	8mm Ring to 8mm Ring	225mm	9"
B603	Red				
B604	Black	16mm <sup>2</sup> Flexible Starter Lead	8mm Ring to 8mm Ring	300mm	12"
B605	Red				
B606	Black	16mm <sup>2</sup> Flexible Starter Lead	8mm Ring to 8mm Ring	375mm	15"
B607	Red				
B608	Black	16mm <sup>2</sup> Flexible Starter Lead	8mm Ring to 8mm Ring	450mm	18"
B609	Red				
B610	Black	16mm <sup>2</sup> Flexible Starter Lead	8mm Ring to 8mm Ring	600mm	24"
B611	Red				
B612	Black	16mm <sup>2</sup> Flexible Starter Lead	8mm Ring to 8mm Ring	760mm	30"
B613	Red				
B614	Black	16mm <sup>2</sup> Flexible Starter Lead	8mm Ring to 8mm Ring	915mm	36"
B615	Red				
B616	Black	16mm <sup>2</sup> Flexible Starter Lead	8mm Ring to 8mm Ring	1065mm	42"
B617	Red				

## 16mm<sup>2</sup> FLEXIBLE BATTERY LEAD (8mm RING to BATTERY TERMINAL)



A range of top quality Flexible Battery Leads, available in lengths from 150mm to 1065mm, and using multistranded 16mm<sup>2</sup> copper conductors with black or red PVC insulation, terminated with a crimped 8mm ring terminal and a crimped battery terminal. Ideal for use as starter or battery leads in cars and small commercial vehicles.

Semloh Code	PVC Sleeve Colour	Description	Terminals	Metric	Approx Imperial Length
B620	Black	16mm <sup>2</sup> Flexible Battery Lead	8mm Ring to Battery Terminal	150mm	6"
B621	Red				
B622	Black	16mm <sup>2</sup> Flexible Battery Lead	8mm Ring to Battery Terminal	225mm	9"
B623	Red				
B624	Black	16mm <sup>2</sup> Flexible Battery Lead	8mm Ring to Battery Terminal	300mm	12"
B625	Red				
B626	Black	16mm <sup>2</sup> Flexible Battery Lead	8mm Ring to Battery Terminal	375mm	15"
B627	Red				
B628	Black	16mm <sup>2</sup> Flexible Battery Lead	8mm Ring to Battery Terminal	450mm	18"
B629	Red				
B630	Black	16mm <sup>2</sup> Flexible Battery Lead	8mm Ring to Battery Terminal	600mm	24"
B631	Red				
B632	Black	16mm <sup>2</sup> Flexible Battery Lead	8mm Ring to Battery Terminal	760mm	30"
B633	Red				
B634	Black	16mm <sup>2</sup> Flexible Battery Lead	8mm Ring to Battery Terminal	915mm	36"
B635	Red				
B636	Black	16mm <sup>2</sup> Flexible Battery Lead	8mm Ring to Battery Terminal	1065mm	42"
B637	Red				

## 19mm<sup>2</sup> BRAIDED EARTHING LEAD (8mm RING to 8mm RING)



A range of top quality Round Braided Earthing Leads, available in lengths from 150mm to 1065mm, and using multistranded, woven 19mm<sup>2</sup> flexible tinned copper braid, terminated with crimped 8mm ring terminals. Ideal for earthing use in cars and small commercial vehicles.

Semloh Code	Description	Terminals	Metric	Approx Imperial Length
B640	Round Braided 19mm <sup>2</sup> Earthing Lead	8mm Ring to 8mm Ring	150mm	6"
B641	Round Braided 19mm <sup>2</sup> Earthing Lead	8mm Ring to 8mm Ring	225mm	9"
B642	Round Braided 19mm <sup>2</sup> Earthing Lead	8mm Ring to 8mm Ring	300mm	12"
B643	Round Braided 19mm <sup>2</sup> Earthing Lead	8mm Ring to 8mm Ring	375mm	15"
B644	Round Braided 19mm <sup>2</sup> Earthing Lead	8mm Ring to 8mm Ring	450mm	18"
B645	Round Braided 19mm <sup>2</sup> Earthing Lead	8mm Ring to 8mm Ring	600mm	24"
B646	Round Braided 19mm <sup>2</sup> Earthing Lead	8mm Ring to 8mm Ring	760mm	30"
B647	Round Braided 19mm <sup>2</sup> Earthing Lead	8mm Ring to 8mm Ring	915mm	36"
B648	Round Braided 19mm <sup>2</sup> Earthing Lead	8mm Ring to 8mm Ring	1065mm	42"

## 19mm<sup>2</sup> BRAIDED EARTHING LEAD (8mm RING to BATTERY TERMINAL)



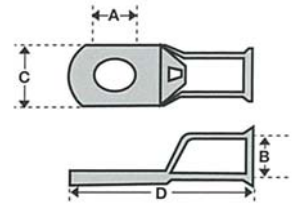
A range of top quality Round Braided Earthing Leads, available in lengths from 150mm to 1065mm, and using multistranded, woven 19mm<sup>2</sup> flexible tinned copper braid, terminated with a crimped 8mm ring terminal and a crimped battery terminal. Ideal for earthing use in cars and small commercial vehicles.

Semloh Code	Description	Terminals	Metric	Approx Imperial Length
B650	Round Braided 19mm <sup>2</sup> Earthing Lead	8mm Ring to Battery Terminal	150mm	6"
B651	Round Braided 19mm <sup>2</sup> Earthing Lead	8mm Ring to Battery Terminal	225mm	9"
B652	Round Braided 19mm <sup>2</sup> Earthing Lead	8mm Ring to Battery Terminal	300mm	12"
B653	Round Braided 19mm <sup>2</sup> Earthing Lead	8mm Ring to Battery Terminal	375mm	15"
B654	Round Braided 19mm <sup>2</sup> Earthing Lead	8mm Ring to Battery Terminal	450mm	18"
B655	Round Braided 19mm <sup>2</sup> Earthing Lead	8mm Ring to Battery Terminal	600mm	24"
B656	Round Braided 19mm <sup>2</sup> Earthing Lead	8mm Ring to Battery Terminal	760mm	30"
B657	Round Braided 19mm <sup>2</sup> Earthing Lead	8mm Ring to Battery Terminal	915mm	36"
B658	Round Braided 19mm <sup>2</sup> Earthing Lead	8mm Ring to Battery Terminal	1065mm	42"

## COPPER TUBE TERMINALS



A range of double annealed, electro tinned, copper tube terminals, with easy access flared mouth entry, to terminate a wide variety of multistranded cables from 6mm<sup>2</sup> to 150mm<sup>2</sup>. The terminals have a central inspection hole to ensure that cable is fully inserted before crimping or soldering, a high standard working temperature of up to 180°C, and all internal barrel diameters are designed to suit standard cables, as defined in BS6360. Note however, that when using flexible fine strand or welding cable, it may be necessary to use a next-size-up terminal e.g 95mm<sup>2</sup> fine strand cable may require a 120mm<sup>2</sup> terminal. Other stud sizes and cable capacities than those listed are available on request.

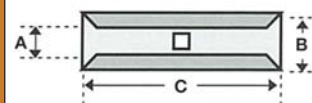


Cable Cross Section	Semloh Code	Stud Hole Type	A	B	C	D	Pack Quantity
			Stud Hole Diameter (mm)	Cable Entry Diameter (mm)	Terminal Width (mm)	Terminal Length (mm)	
6mm <sup>2</sup>	V230	M6	6.5	4.0	9.0	25.0	10
	V231	M8	8.5		11.0	27.0	10
10mm <sup>2</sup>	V232	M6	6.5	4.5	12.0	27.0	10
	V233	M8	8.5		16.0	29.0	10
	V234	M10	10.5		16.0	32.0	10
	V235	M12	13.0		19.0	38.0	10
	V236	M6	6.5		13.0	30.0	10
16mm <sup>2</sup>	V237	M8	8.5	5.5	16.0	32.0	10
	V238	M10	10.5		17.0	34.0	10
	V239	M12	13.0		19.0	40.0	10
	V240	M6	6.5		15.0	32.0	10
25mm <sup>2</sup>	V241	M8	8.5	6.7	17.0	34.0	10
	V242	M10	10.5		17.0	37.0	10
	V243	M12	13.0		19.0	38.0	10
	V244	M6	6.5		18.0	35.0	10
35mm <sup>2</sup>	V245	M8	8.5	8.6	18.0	37.0	10
	V246	M10	10.5		19.0	40.0	10
	V247	M12	13.0		21.0	41.0	10
	V248	M6	6.5		21.0	41.0	10
50mm <sup>2</sup>	V249	M8	8.5	9.6	21.0	41.0	10
	V250	M10	10.5		21.0	43.0	10
	V251	M12	13.0		21.0	46.0	10
	V252	M8	8.5		25.0	46.0	10
70mm <sup>2</sup>	V253	M10	10.5	12.0	25.0	48.0	10
	V254	M12	13.0		25.0	50.0	10
	V255	M8	8.5		28.0	52.0	10
95mm <sup>2</sup>	V256	M10	10.5	13.5	28.0	52.0	10
	V257	M12	13.0		28.0	53.0	10
	V258	M10	10.5		30.0	57.0	10
120mm <sup>2</sup>	V259	M12	13.0	15.0	30.0	58.0	10
	V260	M10	10.5		34.0	64.0	10
150mm <sup>2</sup>	V261	M12	13.0	16.5	34.0	65.0	10

## COPPER BUTT SPLICE TERMINALS




A range of double annealed, electro tinned, copper butt splice terminals, with easy access, double flared mouth entry, to securely join a wide variety of multistranded cables from 6mm<sup>2</sup> to 120mm<sup>2</sup>. The terminals have a central inspection hole to ensure that cable is fully inserted before crimping or soldering, a high standard working temperature of up to 180°C, and all internal barrel diameters are designed to suit standard cables, as defined in BS6360.





Cable Cross Section	Semloh Code	A	B	C	Pack Quantity
		Cable Entry Diameter (mm)	Butt Splice Width (mm)	Butt Splice Length (mm)	
6mm <sup>2</sup>	V262	4.0	6.5	23.0	10
10mm <sup>2</sup>	V263	4.5	7.0	26.0	10
16mm <sup>2</sup>	V264	5.5	8.5	32.0	10
25mm <sup>2</sup>	V265	6.7	10.0	37.0	10
35mm <sup>2</sup>	V266	8.6	12.0	41.0	10
50mm <sup>2</sup>	V267	9.6	14.0	45.0	10
70mm <sup>2</sup>	V268	12.0	16.5	45.0	10
95mm <sup>2</sup>	V269	13.5	18.0	51.0	10
120mm <sup>2</sup>	V270	15.0	19.5	54.0	10


## BATTERY TERMINALS


A collection of tin plated, brass battery terminals to fit standard size tapered battery posts, and a broad range of cable sizes from 10mm<sup>2</sup> to 109mm<sup>2</sup>. The terminals are available with a wide variety of connection methods to ensure excellent electrical contact. Other types and sizes of terminal are available on request.


MACHINED TYPE BRASS BATTERY TERMINALS	Semloh Code	Post Size & Polarity	Cable Cross Section (mm)	Cable Entry Diameter (mm)	Pack Quantity
	V271	Negative -	10mm <sup>2</sup> to 16mm <sup>2</sup>	7.5	10
	V272	Positive +	10mm <sup>2</sup> to 16mm <sup>2</sup>	7.5	10
	V273	Negative -	16mm <sup>2</sup> to 25mm <sup>2</sup>	8.3	10
	V274	Positive +	16mm <sup>2</sup> to 25mm <sup>2</sup>	8.3	10
	V275	Negative -	25mm <sup>2</sup> to 40mm <sup>2</sup>	9.5	10
	V276	Positive +	25mm <sup>2</sup> to 40mm <sup>2</sup>	9.5	10


SCREW TYPE TINNED BATTERY TERMINALS	Semloh Code	Post Size & Polarity	Cable Cross Section (mm)	Cable Entry Diameter (mm)	Pack Quantity
	V277	Negative -	16mm <sup>2</sup> to 25mm <sup>2</sup>	8.7	10
	V278	Positive +	16mm <sup>2</sup> to 25mm <sup>2</sup>	8.7	10
	V279	Negative -	25mm <sup>2</sup> to 40mm <sup>2</sup>	9.5	10
	V280	Positive +	25mm <sup>2</sup> to 40mm <sup>2</sup>	9.5	10
	V281	Negative -	40mm <sup>2</sup> to 60mm <sup>2</sup>	11.1	10
	V282	Positive +	40mm <sup>2</sup> to 60mm <sup>2</sup>	11.1	10
	V283	Negative -	60mm <sup>2</sup> to 70mm <sup>2</sup>	14.3	10
	V284	Positive +	60mm <sup>2</sup> to 70mm <sup>2</sup>	14.3	10

HEXAGONAL NUT TYPE TINNED BATTERY TERMINALS	Semloh Code	Post Size & Polarity	Cable Cross Section (mm)	Cable Entry Diameter (mm)	Pack Quantity
	V285	Negative -	16mm <sup>2</sup> to 25mm <sup>2</sup>	8.3	10
	V286	Positive +	16mm <sup>2</sup> to 25mm <sup>2</sup>	8.3	10
	V287	Negative -	25mm <sup>2</sup> to 40mm <sup>2</sup>	9.2	10
	V288	Positive +	25mm <sup>2</sup> to 40mm <sup>2</sup>	9.2	10
	V289	Negative -	40mm <sup>2</sup> to 60mm <sup>2</sup>	10.9	10
	V290	Positive +	40mm <sup>2</sup> to 60mm <sup>2</sup>	10.9	10
	V291	Negative -	60mm <sup>2</sup> to 70mm <sup>2</sup>	14.1	10
	V292	Positive +	60mm <sup>2</sup> to 70mm <sup>2</sup>	14.1	10

SOLDER TYPE TINNED BATTERY TERMINALS	Semloh Code	Post Size & Polarity	Cable Cross Section (mm)	Cable Entry Diameter (mm)	Pack Quantity
	V293	Negative -	25mm <sup>2</sup> to 40mm <sup>2</sup>	9.5	10
	V294	Positive +	25mm <sup>2</sup> to 40mm <sup>2</sup>	9.5	10
	V295	Negative -	40mm <sup>2</sup> to 60mm <sup>2</sup>	11.1	10
	V296	Positive +	40mm <sup>2</sup> to 60mm <sup>2</sup>	11.1	10
	V297	Negative -	60mm <sup>2</sup> to 70mm <sup>2</sup>	12.7	10
	V298	Positive +	60mm <sup>2</sup> to 70mm <sup>2</sup>	12.7	10
	V299	Negative -	70mm <sup>2</sup> to 109mm <sup>2</sup>	15.9	10
	V300	Positive +	70mm <sup>2</sup> to 109mm <sup>2</sup>	15.9	10





UNIVERSAL CRIMP TYPE TINNED BATTERY TERMINALS	Semloh Code	Post Size & Polarity	Cable Cross Section (mm)	Cable Entry Diameter (mm)	Pack Quantity
	V301	Universal	16mm <sup>2</sup> to 25mm <sup>2</sup>	7.0	10
	V302	Universal	35mm <sup>2</sup> to 50mm <sup>2</sup>	11.0	10

STUD & NUT TYPE TINNED BATTERY TERMINALS	Semloh Code	Marked Polarity	Type of Terminal (mm)	Stud Size (mm)	Pack Quantity
	V303	Negative -	Stud & Wing Nut	10mm Stud	10
	V304	Positive +	Stud & Wing Nut	10mm Stud	10
	V305	Negative -	Stud & Nut	8mm Stud	10
	V306	Positive +	Stud & Nut	8mm Stud	10
	V307	Negative -	Stud & Nut	10mm Stud	10
	V308	Positive +	Stud & Nut	10mm Stud	10

QUICK RELEASE TYPE INSULATED BATTERY TERMINALS	Semloh Code	Marked Polarity	Cable Cross Section (mm)	Cable Entry Diameter (mm)	Pack Quantity
	V309	Blue Negative -	16mm <sup>2</sup> to 50mm <sup>2</sup>	10.5	10
	V310	Red Positive +	16mm <sup>2</sup> to 50mm <sup>2</sup>	10.5	10



## TERMINAL COVERS

							
<b>PVC INSULATOR BOOT</b>		<b>NEOPRENE INSULATOR BOOT</b>		<b>PVC SIDE ENTRY BATTERY TERMINAL COVER</b>		<b>PVC REAR ENTRY BATTERY TERMINAL COVER</b>	
Flexible PVC push on terminal covers to fit a wide range of copper tube terminals. The cable entry barrel diameter is approximately 12mm.		Flexible neoprene rubber push on terminal covers to fit a wide range of copper tube terminals. The cable entry barrel diameter is approximately 12mm.		Flexible PVC side entry battery terminal covers, designed to offer insulation for a range of battery terminals. The cable entry barrel diameter is approximately 14mm.		Flexible PVC rear entry battery terminal covers, designed to offer insulation for a range of battery terminals. The cable entry barrel diameter is approximately 16mm.	
<b>V311B</b>	<b>Black PVC Boot</b>	<b>V312B</b>	<b>Black Neoprene Boot</b>	<b>V313B</b>	<b>Black -'ve Side Entry Cover</b>	<b>V314B</b>	<b>Black -'ve Rear Entry Cover</b>
<b>V311R</b>	<b>Red PVC Boot</b>	<b>V312R</b>	<b>Red Neoprene Boot</b>	<b>V313R</b>	<b>Red +'ve Side Entry Cover</b>	<b>V314R</b>	<b>Red +'ve Rear Entry Cover</b>

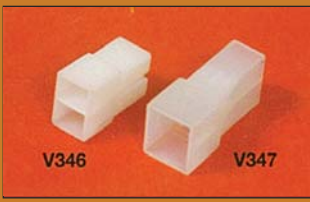
## CROCODILE CLIPS

							
<b>PLATED STEEL UN-INSULATED CROCODILE CLIPS</b>		<b>TUBE INSULATED PASSIVATED STEEL CROCODILE CLIPS</b>		<b>FULLY INSULATED PASSIVATED STEEL CROCODILE CLIPS</b>		<b>FULLY INSULATED ANGLED JAW BRASS CROCODILE CLIPS</b>	
Packs of 10 plated steel, un-insulated crocodile clips, with a range of current ratings as below, and with nut & screw fixing for cable. Also available with polarity marking on request.		A range of pairs of passivated steel crocodile clips complete with red and black insulated PVC tube handles, which will accept up to a 25mm <sup>2</sup> cable and a range of current ratings as below.		A range of pairs of passivated steel crocodile clips complete with fully insulated, red and black moulded handles and covers, which will accept up to a 25mm <sup>2</sup> cable and a range of current ratings as below.		A range of pairs of cast brass crocodile clips with angled jaws and rugged, fully insulated, red and black moulded handles and covers, which will accept up to a 50mm <sup>2</sup> cable and a range of current ratings as below.	
<b>V315</b>	<b>10 x 5A Crocodile Clips</b>	<b>V318</b>	<b>Pair of 150A Croc Clips</b>	<b>V321</b>	<b>Pair of 150A Full/Ins Croc Clips</b>	<b>V324</b>	<b>Pair of 250A Full/Ins Angled Clips</b>
<b>V316</b>	<b>10 x 25A Crocodile Clips</b>	<b>V319</b>	<b>Pair of 175A Croc Clips</b>	<b>V322</b>	<b>Pair of 175A Full/Ins Croc Clips</b>	<b>V325</b>	<b>Pair of 500A Full/Ins Angled Clips</b>
<b>V317</b>	<b>10 x 50A Crocodile Clips</b>	<b>V320</b>	<b>Pair of 200A Croc Clips</b>	<b>V323</b>	<b>Pair of 200A Full/Ins Croc Clips</b>	<b>V326</b>	<b>Pair of 1000A Full/Ins Angled Clips</b>

## JUMP LEADS

									
<b>STANDARD JUMP LEADS</b>					<b>HEAVY DUTY JUMP LEADS</b>				
A range of high quality jump leads made using flexible, PVC coated multi strand copper cable fitted with fully insulated, heavy duty, strongly sprung, passivated steel crocodile clips. As an approximate guide, 16mm <sup>2</sup> jump leads are suitable for use on petrol engines up to 2.5 litres (diesel 2 litres), 20mm <sup>2</sup> up to 3.5 litres (diesel 2.5 litres), and 25mm <sup>2</sup> to 5 litres (diesel 3.5 litres).					These superb quality, heavy duty jump leads are made using flexible, PVC coated multi strand copper cable fitted with fully insulated, heavy duty, strongly sprung, brass angled jaw crocodile clips. As an approximate guide, 35mm <sup>2</sup> jump leads are suitable for use on engine sizes up to 7 litres, whilst the 50mm <sup>2</sup> leads will tackle commercial and agricultural engine sizes in excess of this cubic capacity.				
Semloh Code	Description	Length	Continuous Current Rating	Peak Current Rating	Semloh Code	Description	Length	Continuous Current Rating	Peak Current Rating
<b>V327</b>	<b>16mm<sup>2</sup> Jump Leads</b>	<b>3m</b>	<b>110 Amp</b>	<b>300 Amp</b>	<b>V333</b>	<b>H/D 35mm<sup>2</sup> Jump Leads</b>	<b>3m</b>	<b>240 Amp</b>	<b>600 Amp</b>
<b>V328</b>	<b>16mm<sup>2</sup> Jump Leads</b>	<b>5m</b>	<b>110 Amp</b>	<b>300 Amp</b>	<b>V334</b>	<b>H/D 135mm<sup>2</sup> Jump Leads</b>	<b>5m</b>	<b>240 Amp</b>	<b>600 Amp</b>
<b>V329</b>	<b>20mm<sup>2</sup> Jump Leads</b>	<b>3m</b>	<b>135 Amp</b>	<b>350 Amp</b>	<b>V335</b>	<b>H/D 50mm<sup>2</sup> Jump Leads</b>	<b>3m</b>	<b>345 Amp</b>	<b>900 Amp</b>
<b>V330</b>	<b>20mm<sup>2</sup> Jump Leads</b>	<b>5m</b>	<b>135 Amp</b>	<b>350 Amp</b>	<b>V336</b>	<b>H/D 50mm<sup>2</sup> Jump Leads</b>	<b>5m</b>	<b>345 Amp</b>	<b>900 Amp</b>
<b>V331</b>	<b>25mm<sup>2</sup> Jump Leads</b>	<b>3m</b>	<b>170 Amp</b>	<b>450 Amp</b>					
<b>V332</b>	<b>25mm<sup>2</sup> Jump Leads</b>	<b>5m</b>	<b>170 Amp</b>	<b>450 Amp</b>					

## MULTIPLE CONNECTORS



A range of male and female nylon multiple connectors, using standard 6.3mm spade terminals for securely joining cables from 1.0mm<sup>2</sup> to 2.5mm<sup>2</sup>.

V344	1 way Nylon Connector (Male)
V345	1 way Nylon Connector (Female)
V346	2 way Nylon Connector (Male)
V347	2 way Nylon Connector (Female)
V348	3 way Nylon Connector (Male)
V349	3 way Nylon Connector (Female)
V350	4 way Nylon Connector (Male)
V351	4 way Nylon Connector (Female)

## SUPERSEAL CONNECTORS



A top quality range of IP67 waterproof, male and female superseal connectors, for securely joining cables with cross sections from 0.5mm<sup>2</sup> to 1.5mm<sup>2</sup>. The connectors come complete with terminals and seals. (5 and 6 way connectors also available).

V352	1 way Superseal Connector (Male)
V353	1 way Superseal Connector (Female)
V354	2 way Superseal Connector (Male)
V355	2 way Superseal Connector (Female)
V356	3 way Superseal Connector (Male)
V357	3 way Superseal Connector (Female)
V358	4 way Superseal Connector (Male)
V359	4 way Superseal Connector (Female)

## RELAYS

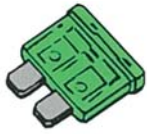


Standard 1" square cube Mini ISO Relays are used extensively in the automobile industry as remote control electrical switches, allowing a small current flow circuit to control a higher current power circuit. Occasionally, diodes or resistors may be incorporated in the relay to avoid voltage spikes which can damage solid state devices. Semloh Electrics stock a wide range of Normally Open and Changeover Relays, with 6.3mm blade terminals, and the most popular formats are listed below. Other types are available on request.

Semloh Code	Voltage	Current Rating	Pin Layout	Internal Circuit	Relay Description
V337	12v	30A			A 4 Pin Normally Open 12v 30A Mini ISO Relay with detachable bracket.
V338	12v	30A			A 5 Pin Changeover 12v 30A Mini ISO Relay with detachable bracket.
V339	12v	40A			A 5 Pin Changeover 12v 40A Mini ISO Relay with moulded integral bracket
V340	12v	40A			A 5 Pin Changeover 12v 40A Mini ISO Relay with detachable bracket, and a diode fitted across the coil for voltage spike suppression.
V341	12v	40A			A 5 Pin Changeover 12v 40A Mini ISO Relay with no bracket, and a resistor fitted across the coil for voltage spike suppression.
V342	24v	20/30A			A 5 Pin Changeover 24v 20/30A Mini ISO Relay with detachable bracket
V343		Relay Holder			A standard relay holder with mounting hole and grooved sides which enable multiple holders to be connected together, or matching blade fuse holders to be added. Accepts up to 5 x 6.3mm or 4 x 2.8mm female spade connectors.

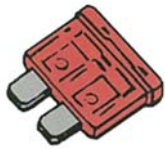
# FUSES

## MINI BLADE FUSES



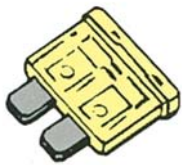
Fuse Rating & Colour	2 Amp Grey	3 Amp Violet	4 Amp Pink	5 Amp Tan	7.5 Amp Brown	10 Amp Red	15 Amp Blue	20 Amp Yellow	25 Amp Clear	30 Amp Green
Retail Pack of 5	F920	F922	F924	F926	F928	F930	F932	F934	F936	F938
Bulk Pack of 50	F921	F923	F925	F927	F929	F931	F933	F935	F937	F939

## STANDARD BLADE FUSES



Fuse Rating & Colour	1 Amp Black	2 Amp Grey	3 Amp Violet	4 Amp Pink	5 Amp Tan	7.5 Amp Brown	10 Amp Red	15 Amp Blue	20 Amp Yellow	25 Amp Clear	30 Amp Green	40 Amp Amber
Retail Pack of 5	F800	F801	F802	F824	F803	F804	F805	F806	F807	F808	F809	F810
Bulk Pack of 50	F700	F701	F702	F724	F703	F704	F705	F706	F707	F708	F709	F710

## MAXI BLADE FUSES



Fuse Rating & Colour	20 Amp Yellow	30 Amp Green	40 Amp Amber	50 Amp Red	60 Amp Blue	70 Amp Tan	80 Amp Clear	100 Amp Violet
Retail Pack of 5	F940	F942	F944	F946	F948	F950	F952	F954
Bulk Pack of 50	F941	F943	F945	F947	F949	F951	F953	F955

## CONTINENTAL FUSES



Fuse Rating & Colour	1 Amp Yellow	8 Amp White	16 Amp Red	25 Amp Blue
Retail Pack of 5	F814	F815	F816	F817
Bulk Pack of 50	F714	F715	F716	F717

## 20mm GLASS FUSES



Fuse Rating	1 Amp	2 Amp	3 Amp	5 Amp	10 Amp
Retail Pack of 5	F819	F820	F821	F822	F823
Bulk Pack of 50	F719	F720	F721	F722	F723

## 30mm GLASS FUSES



Fuse Rating	1 Amp	1.5 Amp	2 Amp	3 Amp	5 Amp	8 Amp	10 Amp	15 Amp	20 Amp	25 Amp	35 Amp	50 Amp
Retail Pack of 5	F829	F825	F826	F830	F831	F827	F832	F833	F834	F835	F828	F736
Bulk Pack of 50	F729	F725	F726	F730	F731	F727	F732	F733	F734	F735	F728	F737

## STRIP FUSES



Fuse Rating	30 Amp	40 Amp	50 Amp	60 Amp	80 Amp	100 Amp
Retail Pack of 5	F956	F958	F960	F962	F964	F966
Bulk Pack of 50	F957	F959	F961	F963	F965	F967

## MIDI FUSES



Fuse Rating & Colour	40 Amp Green	50 Amp Red	60 Amp Yellow	70 Amp Brown	80 Amp White	100 Amp Blue
Retail Pack of 5	F968	F970	F972	F974	F976	F978
Bulk Pack of 50	F969	F971	F973	F975	F977	F979

## MEGA FUSES



Fuse Rating & Colour	100 Amp Yellow	125 Amp Green	150 Amp Orange	175 Amp White	200 Amp Blue	225 Amp Tan	250 Amp Pink	300 Amp Grey	400 Amp Purple	500 Amp Brown
Retail Pack of 1	F980	F982	F984	F986	F988	F990	F992	F994	F996	F998
Bulk Pack of 10	F981	F983	F985	F987	F989	F991	F993	F995	F997	F999

**FEMALE PAL FUSES**



V362

- 20A Female PAL (Lt Blue) ....V360
- 30A Female PAL (Pink) .....V361
- 40A Female PAL (Green) .....V362
- 50A Female PAL (Red) .....V363
- 60A Female PAL (Yellow) .....V364
- 80A Female PAL (Black) .....V365
- 100A Female PAL (Blue) .....V366

A range of Female PAL Fuses, widely used in the automobile industry for their sturdy design and high temperature resistance. Element is visible through top of fuse. Packs of 5.

**MALE PAL FUSES**



V370

- 30A Male PAL (Pink).....V367
- 40A Male PAL (Green) .....V368
- 50A Male PAL (Red) .....V369
- 60A Male PAL (Yellow) .....V370
- 80A Male PAL (Black).....V371
- 100A Male PAL (Blue).....V372

A range of Male PAL Fuses, widely used in the automobile industry for their sturdy design and high temperature resistance. Element is visible through top of fuse. Packs of 5.

**62mm SCREW FIT MALE PAL FUSES**



V375

- 30A S/F Male PAL (Pink).....V373
- 40A S/F Male PAL (Green) ...V374
- 50A S/F Male PAL (Red).....V375
- 60A S/F Male PAL (Yellow) ..V376
- 80A S/F Male PAL (Black)....V377
- 100A S/F Male PAL (Blue)....V378

A range of screw fit/bolt down Male PAL Fuses, with fixed centres at 62mm, widely used in the automobile industry for their sturdy design and high temperature resistance. Element is visible through top of fuse. Packs of 5.

**IN LINE BLADE FUSE HOLDERS**



V385

- Mini Blade Holder (30A) .....V384
- Std Blade Holder (30A) .....V385
- Maxi Blade Holder (80A).....V386

A range of in line blade fuse holders with splashproof weather covers. The Mini and Std holders come with 1.5mm<sup>2</sup> cable, and the maxi holder with 3mm<sup>2</sup> cable. Packs of 10.

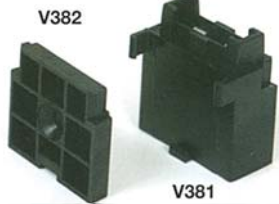
**SINGLE SIDE ENTRY BLADE FUSE HOLDER**



10 x Blade Fuse Holder .....V380

A single, side entry standard blade fuse holder, with 6.3mm spade terminals. Pack of 10

**SINGLE CLIP ON BLADE FUSE HOLDER**



Clip Blade Fuse Holder.....V381  
Bracket for Holder .....V382

A single, bottom entry standard blade fuse holder, with 6.3mm spade terminals, which can be clipped to a mounting bracket or other similar holders to form blocks. Packs of 10.

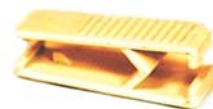
**SELF STRIPPING BLADE FUSE HOLDER**



10 x S/S Blade Holder (20A) ...V383

The 20A max rating means these self stripping blade fuse holders are ideal for many automotive applications, such as radio installation. Suitable for cable from 1mm<sup>2</sup> to 2.5mm<sup>2</sup>. Pack of 10

**BLADE FUSE EXTRACTOR**



10 x Blade Fuse Extractor ...V379

This simple tool makes blade fuse extraction much easier. Pack of 10.

**BOTTOM ENTRY BLADE FUSE BOX**



V388

- 4 Way Blade Fuse Box .....V387
- 6 Way Blade Fuse Box .....V388

A range of nylon, 6.3mm male blade terminal, bottom entry fuse boxes, with transparent cover and terminal securing bar.

**SIDE ENTRY BLADE FUSE BOX**



V390

- 4 Way Blade Fuse Box .....V389
- 6 Way Blade Fuse Box .....V390
- 8 Way Blade Fuse Box .....V391

A range of nylon, 6.3mm male blade terminal, side entry fuse boxes, with transparent cover and sealing gasket.

**CONTINENTAL FUSE HOLDER**



Continental Fuse Holder .....V392

A single continental fuse holder with screw down cable connections at both ends. Pack of 10.

**CONTINENTAL FUSE BOX**



V394

- 4 Way Continental Box.....V393
- 6 Way Continental Box.....V394
- 8 Way Continental Box.....V395

A range of continental fuse boxes with screw terminal cable fixing, and a single screw down, transparent cover. Can be panel or bulkhead mounted.

**IN LINE GLASS FUSE HOLDER**



30mm In Line Holder .....V396

A bayonet action, in-line auto type fuseholder with moulded body, suitable for 30mm glass fuses, and fitted with 14/0.3 cable with a rating of 8 Amps.

**STRIP FUSE HOLDER**



Strip Fuse Holder .....V397

The holder accepts single strip fuses, and comes with snap shut lid and end mounting lugs. Cable connection is via 5mm rings on the end studs. Maximum cable size is 16mm<sup>2</sup>.

**MIDI FUSE HOLDER**



Midi Fuse Holder.....V398

The holder accepts single midi fuses, and comes with snap shut lid and end mounting lugs. Cable connection is via 5mm rings on the end studs. Maximum cable size is 16mm<sup>2</sup>.

**MEGA FUSE HOLDER**



Mega Fuse Holder.....V399

The holder accepts single mega fuses, and comes with snap shut lid and end mounting lugs. Cable connection is via 8mm rings on the end studs. Designed for a cable range of 25 to 35mm<sup>2</sup>.

# Lighting, Bulbs & Tubes

Semloh Electrics is a one stop lighting shop for all your low voltage auto and leisure lighting needs. We stock over 70 exterior cluster and marker lamps to fit a huge range of European leisure vehicles, and over 100 internal light fittings and their respective Tungsten, LED and Halogen bulbs, and Fluorescent tubes.



- Rear Clusters
- Clusters & Reflectors
- Marker Lamps
- LED Lights
- Labcraft Lights
- Frilight Lights
- Lumo Lights
- General Lighting
- Tubes & 240v Bulbs
- 12v Bulbs

**PEREI CRL12**



CRL12 Cluster .....D200  
Spare Lens .....D205

**Replacement Bulbs:**  
1 x 12v 21w Single Contact (D480)  
1 x 12v 21w/5w Double Contact (D470)  
**Dimensions:** 98mmx98mmx49mm

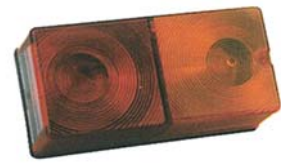
**CEA EL38**



EL38 Cluster .....D351  
Spare Lens .....D352

**Replacement Bulbs:**  
1 x 12v 21w Single Contact (D480)  
1 x 12v 21w/5w Double Contact (D470)  
**Dimensions:** 114mmx98mmx48mm

**BRITAX 9002**



9002 Cluster .....D180  
Spare Lens .....D190

**Replacement Bulbs:**  
1 x 12v 21w Single Contact (D480)  
1 x 12v 21w/5w Double Contact (D470)  
**Dimensions:** 160mmx80mmx56mm

**PEREI CRL106**



CRL106 Cluster .....D201  
Spare Lens .....D202

**Replacement Bulbs:**  
1 x 12v 21w Single Contact (D480)  
1 x 12v 21w/5w Double Contact (D470)  
**Dimensions:** 166mmx81mmx50mm

**JOKON BBSN580**



BBSN580 Cluster .....D353  
Spare Lens .....D354

**Replacement Bulbs:**  
1 x 12v 21w Single Contact (D480)  
1 x 12v 21w/5w Double Contact (D470)  
**Dimensions:** 165mmx77mmx56mm

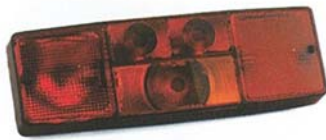
**JOKON BBSN490**



BBSN490 Left Hand Cluster .....D321  
L/H Spare Lens .....D324  
BBSN490 Right Hand Cluster .....D323  
R/H Spare Lens .....D325

**Replacement Bulbs:**  
3 x 12v 21w Single Contact (D480)  
2 x 12v 5w Single Contact (D300)  
**Dimensions:** 298mmx97mmx56mm

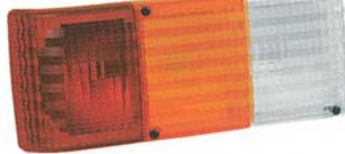
**BRITAX 9038**



9038 Left Hand Cluster .....D327  
L/H Spare Lens .....D322  
9038 Right Hand Cluster .....D329  
R/H Spare Lens .....D328

**Replacement Bulbs:**  
3 x 12v 21w Single Contact (D480)  
2 x 12v 5w Single Contact (D300)  
**Dimensions:** 285mmx97mmx55mm

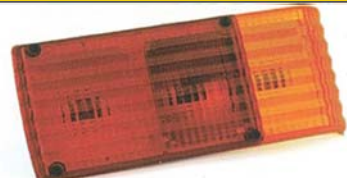
**JOKON BBSW542**



BBSW542 Cluster .....D360  
Combines Stop/Tail,  
Flasher and Reversing Light

**Replacement Bulbs:**  
2 x 12v 21w Single Contact (D480)  
1 x 12v 21w/5w Double Contact (D470)  
**Dimensions:** 305mmx130mmx60mm

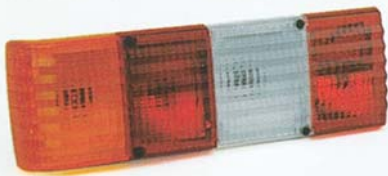
**JOKON BBSA542**



BBSA542 Cluster .....D350  
Combines Stop/Tail, Flasher,  
and Fog Lamp

**Replacement Bulbs:**  
2 x 12v 21w Single Contact (D480)  
1 x 12v 10w Single Contact (C340)  
**Dimensions:** 305mmx130mmx60mm

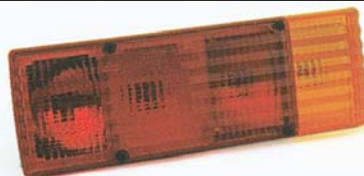
**JOKON BBSWN541**



BBSWN541 Cluster .....D340  
Combines Stop/Tail, Flasher,  
Reversing and Fog Lamp

**Replacement Bulbs:**  
3 x 12v 21w Single Contact (D480)  
1 x 12v 21w/5w Double Contact (D470)  
**Dimensions:** 385mmx130mmx60mm

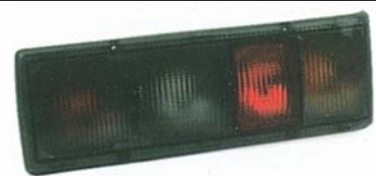
**JOKON BBSN540**



BBSN540 Cluster .....D330  
Combines Stop, Tail, Flasher,  
and Fog Lamp

**Replacement Bulbs:**  
3 x 12v 21w Single Contact (D480)  
1 x 12v 10w Single Contact (C340)  
**Dimensions:** 385mmx130mmx60mm

**BRITAX 9300**



9300 Cluster .....D365  
Combines Stop, Tail, Flasher,  
and Reversing Light

**Replacement Bulbs:**  
3 x 12v 21w Single Contact (D480)  
1 x 12v 21w/5w Double Contact (D470)  
**Dimensions:** 383mmx130mmx52mm

**CARAVAN CARALUNA Mk1**



D390                      D400

L/H Mk1 (with Reverse) .....D390  
 R/H Mk1 (with Fog) .....D400  
 L/H Mk1 (Fog not Reverse) .....D392

**Replacement Bulbs:**  
 3 x 12v 21w Single Contact (D480)  
 1 x 12v 21w/5w Double Contact (D470)  
**Dimensions:** 385mmx130mmx60mm

**MOTORHOME CARALUNA Mk1**



D391                      D399

L/H Mk1 (with Reverse) .....D391  
 R/H Mk1 (with Fog).....D399

**Replacement Bulbs:**  
 3 x 12v 21w Single Contact (D480)  
 1 x 12v 21w/5w Double Contact (D470)  
**Dimensions:** 385mmx130mmx60mm

**CARAVAN CARALUNA Mk2**



D401                      D402

L/H Mk2 (with Reverse) .....D401  
 R/H Mk2 (with Fog) .....D402  
 L/H Mk2 (Fog not Reverse) .....D405

**Replacement Bulbs:**  
 1 x 12v 21w Single Contact (D480)  
 1 x 12v 21w/5w Dble Contact (D470), 1 x Amber Bulb (D482)  
**Dimensions:** 446mmx170mmx80mm

**MOTORHOME CARALUNA Mk2**



D403                      D404

L/H Mk2 (with Reverse) .....D403  
 R/H Mk2 (with Fog) .....D404

**Replacement Bulbs:**  
 1 x 12v 21w Single Contact (D480)  
 1 x 12v 21w/5w Dble Contact (D470), 1 x Amber Bulb (D482)  
**Dimensions:** 446mmx170mmx80mm

**CARALUNA CHROMIUM Mk 2**



D407                      D408  
 D409

L/H Caravan (with Reverse).....D407  
 R/H Caravan (with Fog Light) .....D408  
 L/H Caravan (with Fog Light) .....D409

**Replacement Bulbs:**  
 1 x 12v 21w Single Contact (D480)  
 1 x 12v 21w/5w Dble Contact (D470), 1 x Amber Bulb (D482)  
**Dimensions:** 446mmx170mmx80mm

**JOKON L2000 CLUSTERS**



D361                      D362  
 D363                      D364

L2000 L/H Cluster.....D361  
 L2000 Reversing Light Triangle.....D363  
 L2000 Plain Triangle Reflector .....D364  
 L2000 R/H Cluster .....D362

**Replacement Bulbs:**  
 2 x 12v 21w Single Contact (D480)  
 1 x 12v 21w Amber Offset (D482)  
 1 x 10w Single Contact (C340)

**CIRCULAR REFLECTORS**

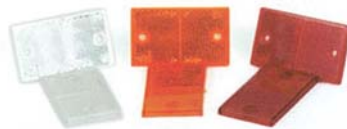


G161                      G162                      G163

White Reflector (Pair).....G161  
 Amber Reflector (Pair) .....G162  
 Red Reflector (Pair) .....G163

Self Adhesive Circular Reflectors  
 Diameter = 60 mm

**SMALL REFLECTORS**



G165                      G160                      G167

White Reflector (Pair).....G165  
 Amber Reflector (Pair) .....G160  
 Red Reflector (Pair) .....G167

Self Adhesive Rectangular Reflectors  
 Dimensions = 72mm x 43mm

**LARGE REFLECTORS**



G180                      G170                      G190

White Reflector (Pair) .....G180  
 Amber Reflector (Pair) .....G170  
 Red Reflector (Pair) .....G190

Self Adhesive Rectangular Reflectors  
 Dimensions = 130mm x 50mm

**TRIANGULAR REFLECTORS**

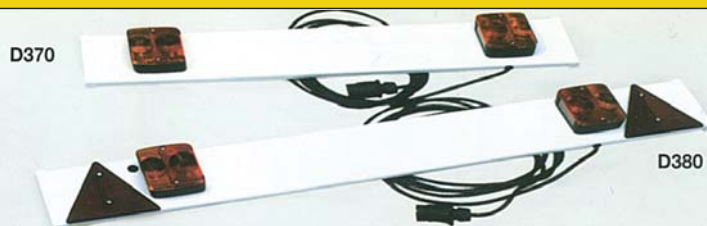


D410                      D415

Standard Triangle .....D410  
 White Surround Triangle .....D415

Standard = 160mm x 140mm  
 White Surround = 180mm x 160mm

**TRAILER BOARDS**



D370                      D380

3ft Trailer Board, complete with 4 metres of Cable .....D370  
 4ft Trailer Board, complete with 5 metres of Cable .....D380  
 4ft 6in Trailer Board, complete with 6 metres of Cable .....D381  
 4ft 6in Trailer Board, complete with Fog Lamp & 6 metres of Cable.....D382

Other widths of board and lengths of cable available on request

## FRONT MARKER LAMPS

## SIDE MARKER LAMPS

### BRITAX 814



814 Marker Lamp .....D260  
Spare Lens.....D261

**Replacement Bulb:**  
1 x 12v 5w Festoon (D460)  
**Dimensions:**  
84mmx26mmx29mm

### JOKON PL115



PL115 Marker Lamp .....D220  
Spare Lens.....D230

**Replacement Bulb:**  
1 x 12v 5w Festoon (D460)  
**Dimensions:**  
71mmx61mmx37mm

### HELLA 883



883 Marker Lamp .....D299

**Replacement Bulb:**  
1 x 12v 5w Festoon (D460)  
**Dimensions:**  
60mmx60mmx40mm

### BRITAX 813



813 Marker Lamp .....D265  
Spare Lens.....D270

**Replacement Bulb:**  
1 x 12v 5w Festoon (D460)  
**Dimensions:**  
84mmx26mmx29mm

### JOKON PL96



PL96 Marker Lamp .....D240  
Spare Lens.....D245

**Replacement Bulb:**  
1 x 12v 5w Festoon (D460)  
**Dimensions:**  
74mmx26mmx46mm

### PEREI 751



751 Marker Lamp .....D210  
Spare Lens.....D211

**Replacement Bulb:**  
1 x 12v 5w Festoon (D460)  
**Dimensions:**  
81mmx62mmx38mm

### JOKON SPL115



SPL115 Marker Lamp .....D290  
Spare Lens.....D291

**Replacement Bulb:**  
1 x 12v 5w Festoon (D460)  
**Dimensions:**  
71mmx61mmx37mm

### JOKON BL96



BL96 Marker Lamp .....D296  
Spare Lens.....D301

**Replacement Bulb:**  
1 x 12v 5w Festoon (D460)  
**Dimensions:**  
74mmx26mmx46mm

### BRITAX 881



881 Marker Lamp .....D275  
Spare Lens.....D115

**Replacement Bulb:**  
1 x 12v 5w Festoon (D460)  
**Dimensions:**  
74mmx28mmx30mm

### BRITAX 970



Spare Lens.....D278

**Replacement Bulb:**  
1 x 12v 5w Single Contact (D300)  
**Dimensions:**  
90mmx74mmx49mm

### JOKON 2XE



2XE Marker Lamp .....D297

**Replacement Bulb:**  
1 x 12v 5w Festoon (D460)  
**Dimensions:**  
92mmx43mmx37mm

### BRITAX 883



883 Marker Lamp .....D271  
Spare Lens.....D272

**Replacement Bulb:**  
1 x 12v 5w Festoon (D460)  
**Dimensions:**  
74mmx28mmx30mm

### JOKON PL130



PL130 Marker Lamp .....D250  
Spare Lens.....D255

**Replacement Bulb:**  
1 x 12v 5w Festoon (D460)  
**Dimensions:**  
75mmx45mmx25mm

### JOKON SML170



SML170 Marker Lamp .....D215

**Replacement Bulb:**  
1 x 12v 5w Capless (D475)  
**Dimensions:**  
100mmx50mmx17mm

### JOKON 102



102 Marker Lamp .....D298  
Spare Lens.....D294

**Replacement Bulb:**  
1 x 12v 5w Festoon (D460)  
**Dimensions:**  
90mmx40mmx40mm

### JOKON BL115



BL115 Marker Lamp .....D280  
Spare Lens.....D281

**Replacement Bulb:**  
1 x 12v 5w Festoon (D460)  
**Dimensions:**  
71mmx61mmx37mm



## ASSORTED LAMPS

### JOKON CIRCULAR LAMPS



White Lamp .....D284  
 Amber Lamp.....D282  
 Red Fog Lamp .....D302  
 Red Stop/Tail Lamp .....D283

**Replacement Bulbs:**  
 1 x 12v 21w Single Contact (D480)  
 D283 uses 1 x 12v 21w/5w T/C (D470)  
 Diameter: 94.4mm

### HELLA OVAL LAMPS



White Front Marker .....D178  
 Amber Side Marker .....D174  
 Red Rear Marker .....D173

**Replacement Bulb:**  
 1 x 12v 5w Capless Bulb (D475)  
 Dimensions: 101mmx45mm

## NUMBER PLATE LAMPS

### JOKON K420 NUMBER PLATE LAMP



Jokon K420.....D175

**Replacement Bulb:**  
 1 x 12v 10w Single Contact (C340)  
**Dimensions:**  
 72mmx50mmx38mm

### BRITAX 867 NUMBER PLATE LAMP



Britax 867 .....D150

**Replacement Bulb:**  
 1 x 12v 10w Single Contact (C340)  
**Dimensions:**  
 106mmx57mmx57mm

### EL126/EL128 MARKER LAMPS



Sacex EL126 Front Marker ..D295  
 Starlux EL128 Side Marker ..D177

**Replacement Bulbs:**  
 EL126: 1 x 12v 5w Festoon (D460)  
 EL128: 1 x 12v 5w Festoon (D460)  
**Dimensions:**  
 EL126: 66mmx62mmx45mm  
 EL128: 85mmx45mmx35mm

### SNAP FIT MARKER LAMPS



White Front Marker .....D293  
 Amber Side Marker .....D292  
 Red Rear Marker .....D289

**Replacement Bulb:**  
 1 x 12v Capless Bulb 5w (D475)  
**Dimensions:**  
 110mmx40mmx25mm

### SACEX EL132 & EL131 NUMBER PLATE LAMPS



Sacex EL132 Small .....D155  
 Sacex EL131 Large .....D154

**Replacement Bulbs:**  
 Sacex EL132: 1 x 12v 5w Festoon (D460)  
 Sacex EL131: 1 x 12v 10w S/C Bulb (C340)  
**Dimensions:**  
 Sacex EL132: 65mmx30mmx35mm  
 Sacex EL131: 106mmx57mmx57mm

### JOKON K415 NUMBER PLATE LAMP



Jokon K415.....D160

**Replacement Bulb:**  
 1 x 12v 10w Single Contact (C340)  
**Dimensions:**  
 100mmx55mmx58mm

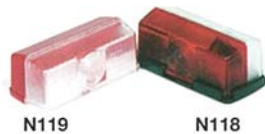
### PEREI FOG LIGHT



Perei Fog Light.....D411

**Replacement Bulb:**  
 1 x 12v 21w Single Contact (D480)  
**Dimensions:**  
 120mm x 80mm.

### JOKON SPL07 SIDE MARKER



SPL07 Side Marker Lamp.....N118  
 Clip On Lens for SPL07 Lamp.N119

**Replacement Bulb:**  
 1 x 12v 5w Single Contact (D300)  
**Dimensions:**  
 92mm x 43mm x 37mm.

### HELLA 2KA NUMBER PLATE LAMP



Hella 2KA .....D176

**Replacement Bulb:**  
 1 x 12v 10w Single Contact (C340)  
**Dimensions:**  
 100mmx54mmx56mm

### PEREI NUMBER PLATE LAMPS



Perei Black Lamp.....D151  
 Perei Chrome Lamp.....D152  
 Perei White Lamp.....D153

**Replacement Bulbs:**  
 BL + W: 2 x 12v 5w Single Contact (D300)  
 Chr: 1 x 12v 10w Festoon (D490)  
**Dimensions:**  
 110mmx46mmx40mm

### BRITAX 882 REAR MARKER



882 Marker Lamp .....D287  
 Spare Lens .....D288

**Replacement Bulb:**  
 1 x 12v 5w Festoon (D460)  
**Dimensions:**  
 74mmx28mmx30mm

### JOKON S130 REAR MARKER



S130 Marker Lamp .....D285  
 Spare Lens .....D286

**Replacement Bulb:**  
 1 x 12v 5w Festoon (D460)  
**Dimensions:**  
 74mmx45mmx25mm

### HELLA K307 NUMBER PLATE LAMP



Hella K307.....D170

**Replacement Bulbs:**  
 2 x 12v 5w Festoon (D460)  
**Dimensions:**  
 460mmx46mmx43mm

### JOKON BULB CLIP



Jokon Bulb Clip .....D450

A useful Bulb Retaining Clip which fits most Jokon Lamps.

**CALLISTO  
LED DOWNLIGHTER**



**Callisto LED Downlighter .....T295**

This stylish 12v recessed 1 watt LED downlighter is cool running and IP67 rated, making it ideal for all areas of the leisure vehicle.

**Dimensions:**  
Overall diameter 96mm x 14mm depth

**LOCKERLITE  
LED LIGHT**

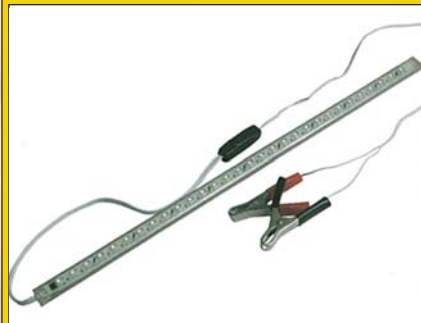


**Lockerlite LED Light.....T297**

This battery operated plunger switch LED light is ideal for illuminating all storage areas, easy to install, and supplied with two 3v lithium batteries.

**Dimensions:**  
60mm x 30mm x 15mm

**CAMPING ORION  
LED STRIPLIGHT**



**Camping Orion LED Striplight.....T300**

This camping version of the 522mm Orion strip comes complete with fitted 12v switched lead with colour coded crocodile clips, and fixing clips for attaching to tent or awning poles.

**Dimensions:**  
522mm x 18mm x 11mm

**ORION  
LED STRIPLIGHT**



**Orion 522mm LED Striplight.....T298  
Orion 1000mm LED Striplight.....T299**

The 522mm Orion Strip consists of 30 high intensity LEDs encapsulated in a IP66 weatherproof casing to give an excellent spread of light. (1000mm strip has 60 LEDs)

**Dimensions:**  
2.2W 522mm Strip - 522mm x 18mm x 11mm  
4.4W 1000mm Strip - 1000mm x 18mm x 11mm

**LED BULBS**



**12v Capless LED Bulb (5W equivalent).....T294  
12v MR11 LED Bulb (10W equivalent).....T292  
12v G4 LED Bulb (10W equivalent).....T293**

Replacement LED Bulbs which offer a high light output for a low power consumption and cool running temperature - ideal for all areas of the leisure vehicle.

**NEBULA  
LED STRIPLIGHT**



**Nebula 626mm LED Striplight .....T301  
Nebula 1106mm LED Striplight .....T302**

The Nebula incorporates the Orion strip in a tough, stylish aluminium housing with end switch, and is available with either 30 or 60 bright LEDs.

**Dimensions:**  
626mm Strip - 626mm x 44mm x 15mm  
1106mm Strip - 1106mm x 44mm x 15mm

**ASTRO  
LED AWNING LIGHT**



**Astro LED Awning Light.....T303**

The Astro is a stylish, bright, IP66 rated 2.2W 30 LED awning light which gives superb external illumination but uses 5 times less power than a 10w halogen bulb.

**Dimensions:**  
592mm x 43mm x 30mm

**SPIRO  
LED SWIVEL LIGHT**



**Spiro LED Swivel Light.....T304**

The switched Spiro incorporates the Orion strip in a tough polycarbonate, swivel housing, for directing illumination easily in kitchen, bathroom or bunk areas.

**Dimensions:**  
722mm x 40mm x 45mm

**POLE  
LED STRIPLIGHT**



**Pole LED Striplight .....T305**

The Pole 30 LED striplight is adaptable from 550mm to 600mm in length, and is strong enough to use as a hanging bar in wardrobes, or as a vertical support pole.

**Dimensions:**  
600mm x 35mm lens diameter

**PEARL STRIPLIGHTS**



- Pearl 8w Striplight .....C264
- Pearl 13w Striplight .....C265
- Spare Diffuser Shade (8w) .....C268
- Spare Diffuser Shade (13w) .....C269

**Replacement Tubes:**  
 Pearl 8w - 1 x 8w Fluorescent Tube (C310)  
 Pearl 13w - 1 x 13w Fluorescent Tube (C320)  
**Dimensions:**  
 Pearl 8w - 423mm x 45mm x 35mm  
 Pearl 13w - 652mm x 45mm x 35mm

**LM LUMA STRIPLIGHTS**



- LM8 8w 12v Striplight.....T306
- LM16 16w 12v Striplight.....T307

**Replacement Tubes:**  
 LM8 - 1 x 8w Fluorescent Tube (C310)  
 LM16 - 2 x 8w Fluorescent Tube (C310)  
**Dimensions:**  
 LM8 - 380mm x 56mm x 24mm  
 LM16 - 380mm x 85mm x 24mm

**NORDIC STRIPLIGHTS**



- Nordic DL9K 8w Striplight .....C270
- Nordic DL14K 13w Striplight .....C271
- Spare Diffuser Shade (8w) .....C272
- Spare Diffuser Shade (13w) .....C273

**Replacement Tubes:**  
 Nordic DL9K 8w - 1 x 8w Fluoro Tube (C310)  
 Nordic DL14K 13w - 1 x 13w Fluoro Tube (C320)  
**Dimensions:**  
 Nordic DL9K 8w - 353mm x 58mm x 29mm  
 Nordic DL14K 13w - 582mm x 58mm x 29mm

**LINEAR STRIPLIGHTS**



- Linear DX8 8w Striplight .....C274
- Linear DX16 16w Striplight .....C275

**Replacement Tubes:**  
 Linear 8w - 1 x 8w Fluorescent Tube (C310)  
 Linear 16w - 2 x 8w Fluorescent Tubes (C310)  
**Dimensions:**  
 Linear 8w - 381mm x 78mm x 24mm  
 Linear 16w - 381mm x 78mm x 24mm

**NANOSPOT MR11 SPOTLIGHT**



- Nanospot MR11 Spotlight.....T296

The Nanospot is a directional 12v MR11 10w halogen spotlight with switched base.  
**Replacement Bulb:**  
 1 x 10w MR11 Dichroic Bulb (C367)  
**Dimensions:**  
 103mm x 65mm x 40mm

**OPAL AWNING LIGHT**



- Opal FX21 Awning Light with Trim .....C650
- Spare Eyelid Trim for Opal FX21.....C651

A stylish, weatherproof, polycarbonate awning light, complete with eyelid trim.  
**Replacement Bulb:**  
 FX21 - 1 x 12v S/C 21w Bulb (D480)  
 Size with Shade - 244mm x 123mm x 65mm

**STAR DOWNLIGHTERS**



- Star 10w Downlighter (White).....C276
- Star 10w Downlighter (Chrome) .....C277

The Star Downlighter has an innovative reflector design, an integral reflector, and can be adjusted on the horizontal axis and rotated through 90 degrees.  
**Replacement Bulb:**  
 1 x 12v G4 Halogen Bulb 10w (C365)  
**Dimensions:**  
 82mm overall diameter x 28mm depth

**RONDO 2 CEILING LIGHT**



- Rondo 2 10w White Ceiling Light.....C278

The Rondo 2 Halogen Ceiling Light is easily installed and comes complete with an integral rocker switch.  
**Replacement Bulb:**  
 1 x 12v G4 Halogen Bulb 10w (C365)  
**Dimensions:**  
 147mm overall diameter x 37mm depth

**2D SQUARE DIFFUSER LIGHT**



- 2D Square 16w Diffuser Light.....C283
- Spare 16w 2D 4 Pin Tube .....C315

The NX16 2D Square Diffuser Light combines superb light output and long bulb life with low energy consumption.  
**Replacement Bulb:**  
 1 x 12v 16w 2D 4Pin Square Tube (C315)  
**Dimensions:**  
 150mm x 150mm x 43mm

**FRILIGHT COMET DOWNLIGHTER**



Comet Downlighter (Chrome).....C700  
Comet Downlighter (Silver Sand).....C701

The Frilight Comet adjustable downlighter comes complete with switch, and is available in stylish chrome or silver sand finish.

**Replacement Bulb:**  
1 x 12v G4 Halogen Bulb 10w (C365)  
**Dimensions:**  
82mm Diameter x 35mm (21mm Recess)

**FRILIGHT NOVA DOWNLIGHTER**



Nova Downlighter (Chrome) .....C702  
Nova Downlighter (Silver Sand).....C703

The Frilight Nova Downlighter comes complete with switch, and is available in stylish chrome or silver sand finish.

**Replacement Bulb:**  
1 x 12v G4 Halogen Bulb 10w (C365)  
**Dimensions:**  
77mm Diameter x 18mm Recess

**FRILIGHT PINTO DOWNLIGHTER**



Pinto Downlighter (Chrome) .....C704  
Pinto Downlighter (Silver Sand) .....C705

The Frilight Pinto Downlighter comes complete with switch, and is available in stylish chrome or silver sand finish.

**Replacement Bulb:**  
1 x 12v G4 Halogen Bulb 10w (C365)  
**Dimensions:**  
82mm Diameter x 34mm (30mm Recess)

**FRILIGHT STAR DOWNLIGHTER**



Star Downlighter (Chrome).....C706  
Star Downlighter (Silver Sand) .....C707

The Frilight Star Downlighter is unswitched, and is available in stylish chrome or silver sand finish.

**Replacement Bulb:**  
1 x 12v G4 Halogen Bulb 10w (C365)  
**Dimensions:**  
70mm Diameter x 17mm Recess

**FRILIGHT CIRRO CEILING LIGHT**



Cirro Ceiling Light (Chrome).....C708  
Cirro Ceiling Light (Silver Sand) .....C709

The Frilight Cirro Ceiling Light comes complete with switch, and is available in stylish chrome or silver sand finish.

**Replacement Bulb:**  
1 x 12v G4 Halogen Bulb 10w (C365)  
**Dimensions:**  
250mm Diameter x 50mm

**FRILIGHT MINI ADJUSTABLE SPOT**



Mini Adjustable Spot (Chrome) .....C710  
Mini Adjustable Spot (Silver Sand) .....C711

The Frilight Mini Adjustable Spotlight comes complete with switch, and is available in stylish chrome or silver sand finish.

**Replacement Bulb:**  
1 x 12v G4 Halogen Bulb 10w (C365)  
**Dimensions:**  
80mm Projection (Folded) x 90mm Height

**FRILIGHT MR11 EYELIGHT SPOT**



Eyelight MR11 Spotlight (Chrome) .....C712  
Eyelight MR11 Spotlight (Silver Sand) .....C713

The Frilight MR11 adjustable Eyelight Spotlight comes complete with switch, and is available in stylish chrome or silver sand finish.

**Replacement Bulb:**  
1 x 12v G4 MR11 Dichroic Halogen Bulb 10w (C367)  
**Dimensions:**  
90mm Diameter x 70mm x 23mm Recess

**FRILIGHT SOFT DIFFUSER LIGHT**



Soft Diffuser Light (Chrome).....C715  
Soft Diffuser Light (Silver Sand) .....C716

The Frilight Soft Diffuser Light comes complete with switch, and is available in stylish chrome or silver sand finish.

**Replacement Bulb:**  
2 x 12v G4 Halogen Bulb 5w (C364)  
**Dimensions:**  
248mm x 64mm x 35mm

**FRILIGHT LOCKER & CUPBOARD LIGHTS**



Targa Waterproof Locker Light (White) ...C714  
Square Cupboard Light (White).....C717

The Frilight Targa is IP65 Waterproof, and therefore ideal for exterior lockers, whilst the Square light is perfect for lighting interior cupboards.

**Replacement Bulb:**  
Both take: 1 x 12v G4 Halogen Bulb 10w (C365)  
Targa: 90mm Diameter x 42mm (29mm Recess)  
Square Light: 110mm x 110mm x 40mm

**LUMO 1 STRIPLIGHT**

Lumo 1 Striplight.....C200  
Spare Diffuser (Lumo 1).....C220

**Replacement Tube:**  
1 x 8w Fluorescent (C310)  
**Dimensions:**  
375mm x 55mm x 22mm

**LUMO 3 STRIPLIGHT**

Lumo 3 Striplight.....C210  
Spare Diffuser (Lumo 3).....C230

**Replacement Tubes:**  
2 x 8w Fluorescent (C310)  
**Dimensions:**  
375mm x 85mm x 27mm

**MARS DOWNLIGHTER**

Mars Downlighter (White) ..C614

**Replacement Bulb:**  
1 x 10w G4 Halogen Bulb (C365)  
**Dimensions:**  
66mm diameter x 43.8mm

**MICROSPOT**

Pair of Microspots (Satin)...C600

**Replacement Bulb:** 1 x 10w MR11  
Dichroic Halogen Bulb (C367)  
**Dimensions:**  
80mm x 65mm x 40mm

**MERCURY DOWNLIGHTER**

Mercury Downlighter (White)C611

**Replacement Bulb:**  
1 x 10w G4 Halogen Bulb (C365)  
**Dimensions:**  
66mm diameter x 24.8mm

**SATURN DOWNLIGHTER**

Saturn Downlighter (White) ..C608  
Saturn Downlighter (Satin) ...C609

**Replacement Bulb:**  
1 x 10w G4 Halogen Bulb (C365)  
**Dimensions:**  
66mm diameter x 41.8mm

**NEPTUNE DOWNLIGHTER**

Neptune Downlighter (White) C605  
Neptune Downlighter (Satin) ..C606

**Replacement Bulb:**  
1 x 10w G4 Halogen Bulb (C365)  
**Dimensions:**  
84mm diameter x 30mm

**LUMO MINISPOT**

Minispot (White) .....C601  
Minispot (Satin) .....C602  
Minispot (Silver Sand).....C603  
Minispot (Brass) .....C604

**Replacement Bulb:**  
1 x 10w G4 Halogen Bulb (C365)  
**Dimensions:**  
105mm x 82mm x 42mm

**CORONET LIGHT**

Coronet (White) 9wPL.....C624  
Coronet (Satin) 9wPL.....C625  
Coronet (Silv Sand) 9wPL...C626  
Coronet (Brass) 9wPL.....C627  
Coronet (Gunmetal) 9wPL...C628  
Coronet (White) 10w Hal.....C629  
Coronet (Satin) 10w Hal.....C630  
Coronet (Silv Sand) 10w Hal .C631

**Replacement Tube/Bulb:**  
1 x 9w PL Tube (C314), or  
1 x 10w G4 Halogen Bulb (C365)  
**Dimensions:**  
220mm x 140mm x 66mm

**ELLIPSE LIGHT**

Ellipse (White) 1x8w .....C632  
Ellipse (Satin) 1x8w.....C633  
Ellipse (Silv Sand) 1x8w .....C634  
Ellipse (Brass) 1x8w .....C635  
Ellipse (Gunmetal) 1x8w .....C636  
Ellipse (White) 2x8w .....C637  
Ellipse (Satin) 2x8w.....C638  
Ellipse (Silv Sand) 2x8w .....C639  
Ellipse (Brass) 2x8w .....C640  
Ellipse (Gunmetal) 2x8w .....C641

**Replacement Tubes:**  
1 x 8w Fluorescent Tube (C310), or  
2 x 8w Fluorescent Tubes (C310)  
**Dimensions:**  
418mm x 100mm x 32mm

**CROWN LIGHT**

Crown (White) 9wPL .....C616  
Crown (Satin) 9wPL .....C617  
Crown (Silv Sand) 9wPL .....C618  
Crown (Brass) 9wPL .....C619  
Crown (Gunmetal) 9wPL .....C620  
Crown (White) 20w Hal .....C621  
Crown (Satin) 20w Hal .....C622  
Crown (Silv Sand) 20w Hal .C623

**Replacement Tube/Bulb:**  
1 x 9w PL Tube (C314), or  
1 x 20w G4 Halogen Bulb (C366)  
**Dimensions:**  
217mm diameter x 68mm

**LUMO DISPLAY STAND**

Semloh Electrics would be happy to advise on a range of Lumo lights to suit individual outlets, and to provide bright point-of-sale and display stands to help maximise sales. Please contact our Sales Department for further details.

**RING ZOE OVAL MR11 EYELIGHT**



Zoe Oval Eyelight (Brushed Chrome) .....C285  
 Zoe Oval Eyelight (Bright Chrome) .....C286  
 Zoe Oval Eyelight (Silver Sand) .....C287  
 Zoe Oval Eyelight (Brass).....C288

The Ring Zoe Oval MR11 Eyelight comes complete with switch and metal back box.  
**Replacement Bulb:** 1 x 12v G4 Halogen Bulb 10w (C365)  
**Dimensions:** 112mm x 68mm x 43mm

**EYEBALL SPOT LIGHTS**



Satin Eyeball Spot .....C322  
 Chrome Eyeball Spot .....C321  
 Brass Eyeball Spot .....C280

These 10w Eyeball Spot Lights are ideal for under cupboard or plinth mounting, with full circular movement of the spot.

**DOWNLIGHTER REAR PLASTIC COVER**



Downlighter Rear Plastic Cover .....F507

Ideal for covering the recessed backs of downlighters in cupboards and lockers, to avoid heat or electrical problems, with cable cut out on one side, and top vents for heat dissipation. Size: 115mm x 65mm x 33mm

**AMFI SPOTLIGHTS**



Amfi Spotlight (Beige) .....C235  
 Amfi Spotlight (Gold) .....C240

**Replacement Bulb:** 1 x S/C 10w Bulb (C340)  
**Dimensions:** 115mm x 100mm x 55mm

**BRITAX Mk1 AWNING LIGHT**



Britax Mk 1 Awning Light.....D100  
 Spare Mk1 Diffuser Lens.....D110  
 Spare Mk1/Mk2 Switch .....D101

**Replacement Bulb:** 1 x 10w Festoon Bulb (D490)  
**Dimensions:** 133mm x 133mm x 61mm

**BRITAX Mk 2 AWNING LIGHT**



Britax Mk 2 Awning Light.....D120  
 Spare Mk2 Diffuser Lens.....D130  
 Spare Mk1/Mk2 Switch .....D101

**Replacement Bulb:** 2 x S/C 15w bulbs (C350)  
**Dimensions:** 200mm x 70mm x 43mm

**LUMO 10w AWNING LIGHTS**



Awning Light (White) .....C231  
 Awning Light (Satin) .....C232

These surface mounting, robust polycarbonate, waterproof awning lights are stylish and practical, giving 10w of light.

**RING ULTRA AWNING LIGHT**



Ring Ultra Awning Light .....C281

Complete with sealed weatherproof diffuser and switch.  
**Replacement Bulb:** 2 x S/C 10w bulbs (C340)  
**Dimensions:** 190mm x 90mm x 40mm

**RING ULTRA SECURITY LIGHT**



Ring Ultra Security Light.....C282

With built in 110° 7 metre range PIR Movement Detector and Automatic Dawn-to-Dusk operation.  
**Replacement Bulb:** 2 x S/C 10w bulbs (C340)  
**Dimensions:** 190mm x 90mm x 40mm

**AWNING/COMPARTMENT LIGHT**



Awning/Compartment Light.....M311

This versatile, clear diffuser light can be used either as an awning or compartment/locker light.  
**Replacement Bulb:** 1 x 12v G4 Halogen Bulb 10w (C365)  
**Dimensions:** 150mm x 88mm x 45mm

**MAINS AWNING LIGHT**



240 volt Mains Awning Light .....J100

Weatherproof Mains 60w light complete with 6 metres of cable and pole fitting clips.  
**Replacement Bulb:** Any mains bayonet fit up to Max. 60w  
**Dimensions:** 180mm x 95mm x 90mm

**SWITCHED MAINS AWNING LIGHT**



Deluxe Mains Awning Light.....J101

This Deluxe Weatherproof Mains Light comes complete with an on/off switch and 5 metres of cable.  
**Replacement Bulb:** Any mains bayonet fit up to Max. 60w  
**Dimensions:** 190mm x 110mm x 110mm

**PLUG-IN NIGHTLIGHT**



Plug-In 240v Nightlight .....C500

Low level illumination at night. Comes complete with spare bulb.

**DUSK TO DAWN NIGHTLIGHT**



Dusk to Dawn 240v Nightlight .....C505

A plug in nightlight with photo sensor, to give automatic dusk-to-dawn illumination. Comes complete with spare bulb.

**TOUCH CONTROL NIGHTLIGHT**



Touch Control Nightlight .....C510

Battery powered touch sensitive nightlight – Touch on/ Touch off – Takes 4 x AA batteries (not supplied).

**TOUCH ON/OFF LIGHT**



Touch On/Off Light .....T125

This amazing value Touch On/Off Light runs on 4 x AA batteries, which are included. Ideal for fixing in cupboards or other dark areas, using screw location at rear.

**BATTERY OPERATED RUBBER TORCH**



Rubber Torch.....T119

A handy budget priced, rubber coated torch flashlight which runs off two Size D batteries (not included).

**THREE IN ONE TOOL**



3 in 1 Tool.....T126

A great value, 3-in-1 tool containing LED light, non slip hook for fixing to key rings or belts, and a bottle opener.

**TUBES & 240v BULBS**

**BULB CODE No. DESCRIPTION**

**TUBES**
















	<b>C311</b>	12v White T5 Fluorescent Tube <b>4w</b> (16mm Diameter) with G5 End Caps
	<b>C312</b>	12v White T5 Fluorescent Tube <b>6w</b> (16mm Diameter) with G5 End Caps
	<b>C310</b>	12v White T5 Fluorescent Tube <b>8w</b> (16mm Diameter) with G5 End Caps
	<b>C320</b>	12v White T5 Fluorescent Tube <b>13w</b> (16mm Diameter) with G5 End Caps
	<b>C313</b>	12v UV Black Light Bug Killer Tube <b>4w</b> (16mm Diameter) with G5 End Caps
	<b>C314</b>	12v Cool White Ring PL Tube <b>9w</b> with Four Pin 2G7 Base
	<b>C315</b>	12v White Square 2D Fluorescent Tube <b>16w</b> with Four Pin GR10 Base
	<b>C316</b>	240v Linear 117mm Halogen Tube <b>500w</b> with R7s End Caps















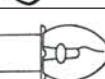
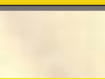
**BULB CODE No. DESCRIPTION**

**240v BULBS - Sold in packs of 10**

	<b>C341</b>	240v Pygmy Bulb <b>15w</b> with E14 Small Edison Screw Base
	<b>C390</b>	240v Pygmy Bulb <b>25w</b> with E14 Small Edison Screw Base
	<b>C395</b>	240v Globe Bulb <b>25w</b> with E14 Small Edison Screw Base
	<b>C345</b>	240v Globe Bulb <b>40w</b> with E14 Small Edison Screw Base
	<b>C363</b>	240v 39mm Spot Lamp <b>30w</b> with E14 Small Edison Screw Base
	<b>C369</b>	240v 50mm Spot Lamp <b>40w</b> with E14 Small Edison Screw Base
	<b>C400</b>	240v Globe Bulb <b>25w</b> with Twin Contact B22d 22mm Bayonet Base
	<b>C410</b>	240v Globe Bulb <b>40w</b> with Twin Contact B22d 22mm Bayonet Base

# 12v BULBS

BULB	CODE No.	DESCRIPTION
<b>SINGLE CONTACT BULBS - Sold in packs of 10</b>		
	N120	12v Single Contact Bulb <b>4w</b> with Ba9s 9mm Bayonet Base
	D300	12v Single Contact Bulb <b>5w</b> with Ba15s 15mm Bayonet Base
	C340	12v Single Contact Bulb <b>10w</b> with Ba15s 15mm Bayonet Base
	C350	12v Single Contact Bulb <b>15w</b> with Ba15s 15mm Bayonet Base
	D480	12v Single Contact Bulb <b>21w</b> with Ba15s 15mm Bayonet Base
	D481	12v Single Contact Amber Bulb <b>21w</b> with Ba15s 15mm Bayonet Base (Level Pins)
	D482	12v Single Contact Amber Bulb <b>21w</b> with Bau15s 15mm Bayonet Base (Offset Pins)
<b>TWIN CONTACT BULBS - Sold in packs of 10</b>		
	D310	12v Twin Contact Bulb <b>5w</b> with Ba15d 15mm Bayonet Base
	D320	12v Twin Contact Bulb <b>10w</b> with Ba15d 15mm Bayonet Base
	D476	12v Twin Contact Bulb <b>21w</b> with Ba15d 15mm Bayonet Base
	D470	12v Twin Contact Bulb <b>21w / 5w</b> with Bay15d 15mm Bayonet Base (Offset Pins)
<b>FESTOON BULBS - Sold in packs of 10</b>		
	D460	12v Festoon Bulb <b>5w</b> with S8 Cap (11mm x 38mm)
	D490	12v Festoon Bulb <b>10w</b> with S8 Cap (15mm x 44mm)
	D500	12v Festoon Bulb <b>18w</b> with S8 Cap (15mm x 44mm)
<b>BULB &amp; FUSE KIT</b>		
	C420	Bulb and Fuse Kit

BULB	CODE No.	DESCRIPTION
<b>GENERAL BULBS - Sold in packs of 10</b>		
	D475	12v Capless Bulb <b>5w</b> with 10mm Wedge Base
	N123	12v Pygmy Bulb <b>15w</b> with E14 Small Edison Screw Base
	N124	12v Pygmy Bulb <b>25w</b> with E14 Small Edison Screw Base
	C330	12v Table Lamp Pearl Bus Bulb <b>24w</b> with Twin Contact B22d 22mm Bayonet Base
<b>LED BULBS - Sold in packs of 10</b>		
	T294	12v Capless Single LED Bulb ( <b>5w Equivalent</b> ) with 10mm Wedge Base
	T293	12v Single LED Bulb ( <b>10w Equivalent</b> ) with Bi Pin G4 Base
	T292	12v MR11 12 x LED Dichroic Bulb ( <b>10w Equivalent</b> ) with Bi Pin GU4 Base
<b>HALOGEN BULBS - Sold in packs of 10</b>		
	C364	12v Capsule Halogen Bulb <b>5w</b> with Bi Pin G4 Base
	C365	12v Capsule Halogen Bulb <b>10w</b> with Bi Pin G4 Base
	C366	12v Capsule Halogen Bulb <b>20w</b> with Bi Pin G4 Base
	T255	12v MR11 35mm 18° Dichroic Halogen Bulb <b>5w</b> with Lens Cover & Bi Pin GU4 Base
	C367	12v MR11 35mm 18° Dichroic Halogen Bulb <b>10w</b> with Lens Cover & Bi Pin GU4 Base
	C368	12v MR11 35mm 36° Dichroic Halogen Bulb <b>20w</b> with Lens Cover & Bi Pin GU4 Base
	N121	12v Halogen Bulb <b>5w</b> with Single Contact Ba15s 15mm Bayonet Base
	N122	12v Halogen Bulb <b>10w</b> with Single Contact Ba15s 15mm Bayonet Base
	C371	12v Krypton Pre Focus Bulb <b>8.4w</b> with Single Contact P13.5s Base



# Chassis & Auto

Whether your customer wishes to improve their leisure vehicle's towing characteristics or manoeuvrability, or to increase its safety, or simply to improve its looks and saleability, a wide choice of chassis fittings are available from Semloh Electrics, to meet all leisure requirements.



- Jockey Wheel Assemblies
- Towing Accessories
- Safety Accessories
- Wheel Accessories
- General Accessories

**JOCKEY WHEEL DISPLAY STAND**



Jockey Wheel Display Stand .....G198

A superb custom built retail stand for displaying Jockey Wheel Assemblies and accessories

**Std 34mm PLASTIC JOCKEY WHEEL**



Std 34mm Assembly (Plastic Wheel) .....G199

**Wheel:** 155mm diameter x 40mm thick  
**Stem:** 34mm diameter

**34mm METAL JOCKEY WHEEL**



L/W 34mm Assembly (Metal Wheel) .....G205  
Spare L/W Metal Wheel .....G270

**Wheel:** 180mm diameter x 50mm thick  
**Stem:** 34mm diameter

**40mm & 42mm METAL JOCKEY WHEEL**



H/W 40mm Assembly (Metal Wheel).....G220  
H/W 42mm Assembly (Metal Wheel).....G210  
Spare H/W Metal Wheel.....G280

**Wheel:** 180mm diameter x 50mm thick  
**Stem:** 40mm & 42mm diameter

**48mm PLASTIC JOCKEY WHEEL**



H/W 48mm Assembly (Plastic Wheel).....G235  
Spare H/W Plastic Wheel.....G275

**Wheel:** 200mm diameter x 50mm thick  
**Stem:** 48mm diameter

**48mm METAL JOCKEY WHEEL**



H/W 48mm Assembly (Metal Wheel).....G230  
Spare H/W Metal Wheel.....G280

**Wheel:** 200mm diameter x 50mm thick  
**Stem:** 48mm diameter

**48mm JUMBO PLASTIC JOCKEY WHEEL**



48mm Jumbo Assembly (Plastic Wheel) .G255  
Spare Jumbo Plastic Wheel.....G325

**Wheel:** 230mm diameter x 60mm thick  
**Stem:** 48mm diameter

**48mm JUMBO METAL JOCKEY WHEEL**



48mm Jumbo Assembly (Metal Wheel) ...G250

**Wheel:** 220mm diameter x 70mm thick  
**Stem:** 48mm diameter

**48mm PNEUMATIC JOCKEY WHEEL**



48mm Assembly (Pneumatic Wheel) .....G240  
Spare Pneumatic Wheel.....G290  
Spare Inner Tube for Pneumatic Wheel...G355  
Spare Tyre for Pneumatic Wheel.....G357

**Wheel:** 250mm diameter x 70mm thick  
**Stem:** 48mm diameter

**B&B and 7" SPARE METAL WHEELS**



B&B Spare Wheel (Narrow spindle) .....G300  
7" Metal Spare Wheel.....G310

**B&B Wheel:** 160mm diameter x 45mm thick  
**7" Wheel:** 180mm diameter x 45mm thick

**JOCKEY ASSEMBLY CLAMPS & HANDLE**



34mm Jockey Assembly Clamp .....G347  
42mm Jockey Assembly Clamp .....G348  
48mm Jockey Assembly Clamp .....G349  
Spare Clamp Locking Handle.....G350

A range of clamps for securing different stem diameters on jockey assemblies.

**SPINDLE ASSEMBLIES**



Soft Spindle Assembly (Split Pin) .....G345  
Short Spindle Assembly.....G330  
Long Spindle Assembly .....G340

A range of axle spindle assemblies for different width jockey wheels.

### METAL DROP PLATES



- 2" Drop Plate .....E310
- 3" Drop Plate .....E320
- 4" Drop Plate .....E330
- 4" Drop Plate(6 Hole) .....E340

A range of Metal Drop Plates for lowering the towball.

### ALUMINIUM SPACERS



- 1/2" Spacer .....E350
- 1" Spacer .....E360
- 1 1/2" Spacer .....E370
- 2" Spacer .....E380

A range of Aluminium Spacers, to help towball fittings clear rear bumpers.

### TOWBALL BOLTS



- 55mm Bolts (Pair) .....E230
- 65mm Bolts (Pair) .....E240
- 75mm Bolts (Pair) .....E245
- 80mm Bolts (Pair) .....E250
- 100mm Bolts (Pair) .....E260

High Tensile Steel Towball Bolts in a range of lengths, to enable spacers/car plates to be fitted.

### BACKING PLATES



- Single Backing Plate .....E222
- Double Dogbone Plate .....E224
- Double Tee Plate .....E223

Flat metal Backing Plates to secure 12N and 12S Sockets.

### 12S PIGGYBACK EXTENSION PLATE



- 12S Extension Plate .....E217

The 12S Piggyback Extension Plate is ideal for adding a 12S socket to an existing 12N single plate without re-wiring the N electrics.

### BUMP STOPS



- Mini Bump Stop .....E221
- Crusader Bump Stop .....E220
- Towtekta Bump Stop .....E219

Placed behind the towball, these Bump Stops reduce hitch-up damage to the car.

### STAINLESS STEEL CAR PLATES



- S/S Mini Bump Stop .....E216
- S/S Two Socket Car Plate ..E218

A range of Stainless Steel Car Plates, to help avoid bumps to the car whilst hitching or unhitching the caravan or trailer.

### BRECKLAND BLACK MINI HITCH STOP



- Black Mini Hitch Stop .....E239

The Breckland black mini hitch stop is ideal for protecting the car from over-run during caravan or trailer hitching to the tow ball.

### BREAKAWAY BRACKETS



- Breakaway Bracket.....E275
- Breakaway Pigtail.....E276

Brackets, for fixing by towball bolts, to give a firm anchorage point for a breakaway cable.

### BREAKAWAY CABLE



- Breakaway Cable .....G390

A plastic coated, 870mm, high tensile steel breakaway cable, to snatch on handbrake.

### HITCH COUPLINGS



- 50mm Pressed Steel Hitch ..E403
- 50mm Hitch with Indicator ..E404

Standard 50mm Pressed Steel Coupling Hitches, with and without coupling indicator.

### TOWBALLS



- Standard 50mm Towball .....E270
- Long Reach 50mm Towball ..E271

A range of 50mm Towballs

### TOWBALL & SOCKET COVERS



- Black Plastic Ball Cover .....G600
- Chromed Plastic Ball Cover...G601
- Cover Up Ball Cover.....G605
- Black Towball Boot .....G602
- Black Boot with Reflector .....G603
- Black Socket Cover .....G604
- Black Plug Cover.....G606

A range of covers to keep the towball/electrics clean and dry.

### PLUG & COVER HOLDERS



- Plastic Plug & Cover Holder..E400
- Greenfield Port Plug Holder ..E401
- Metal Plug Holder .....E402

These holders store the 7 pin plug or cover when not in use.

### HITCH & A FRAME COVERS



- White Hitch Cover .....G365
- White A Frame Cover .....G375

These covers give protection all year round to the hitch, gaiters, brakes and A frame.

### DELUXE XL HITCH COVER



- XL Hitch Cover (Navy) .....L505

A quality Hitch Cover to protect all caravan hitches, including those with extra large fairings and alko type fittings – made from non fade navy fabric.

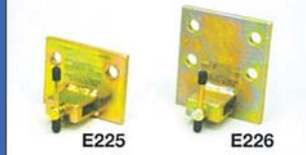
**BRECKLAND STABILIZER**



Driver Stabilizer .....E236

The Breckland Driver Quick Release Stabilizer improves safety and stability whilst towing. Comes complete with all necessary fittings.

**CAR PLATES**



2 Hole Car Plate.....E225  
4 Hole Car Plate.....E226

These Plates fit behind the towball and connect a Stabilizer to the car during towing.

**SWAN NECK CAR PLATE**



Swan Neck Car Plate .....E227

This Car Plate is specially designed to clamp around a Swan Neck towbar.

**SPARE TOGGLE SCREW**



Spare Toggle Screw .....E228

A spare toggle screw for tightening and locking the stabilizer into the Car Plate fitting.

**CARAVAN L BRACKETS**



Standard L Bracket .....E231  
Extended L Bracket .....E235  
Spare Slipper Shoe .....E233

These L brackets cradle the stabilizer to the A frame of the caravan during towing.

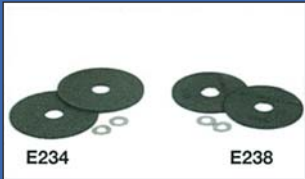
**CLAMP ON ADAPTORS**



Standard Bracket Clamp ....E232  
Extended Bracket Clamp ...E237

A range of Clamp On Adaptors for securing an L Bracket to an aluminium A frame.

**FRICTION DISKS**



4.5" Friction Disks .....E234  
4" Friction Disks (Scott).....E238

Replacement Friction Disks for Breckland, Scott and other stabilizers

**Q/R CONVERSION KIT**



Quick Release Kit.....E229

This kit enables older stabilizers to be converted to quick release.

**COIL SPRING ASSISTORS**



GE 13 Assistor (18-25mm)....E405  
GE 14 Assistor (26-38mm)....E406  
GE 15 Assistor (39-51mm)....E407  
GE 15A Assistor (51-65mm) .E408

A range of Grayston rubber Coil Spring Assistors to suit most cars.

**BIG JACK PADS**



Big Jack Pads (4) .....T283

A box of four large caravan Jack Pads to stop legs sinking on soft ground.

**TWIN TOWING MIRRORS**



Twin Towing Mirrors .....T278

A pair of Clip On Extension Mirrors for better visibility when towing caravans.

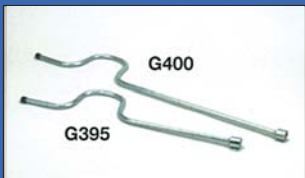
**WARNING TRIANGLE IN PLASTIC CASE**



Warning Triangle .....T247

An ingenious folding red warning triangle with fluorescent inner. Compulsory if travelling in Europe.

**WHEEL BRACES**



Short Wheel Brace.....G395  
Long Wheel Brace .....G400

2 different length Wheel Braces for raising and lowering caravan jacklegs, and tightening nuts.

**REICH LEG WINDER DRILL BIT**



45cm Leg Winder Drill Extension .....G396

A 45cm long adaptor for lowering caravan corner steady legs quickly and easily, using a cordless electric screwdriver or drill.

**GRAB HANDLES**



Grey Grab Handles (Pair) ...G593  
Black Grab Handles (Pair) ..G594  
White Grab Handles (Pair) ..G591  
Large White Grab Handle...G591

A range of Caravan Grab Handles. Small handles available in grey, black, and white, with 137mm centres. Large white handle has 192mm centres.

**WEIGH IT & SPIRIT LEVEL**



Weigh It.....G565  
Caravan Spirit Level .....G510

Ideal for making sure the caravan's towing noseweight is correct, and that the van is level on site, for the fridge.

**PACK OF 4  
SATURN WHEEL TRIMS**



13" Saturn Trims .....T232  
14" Saturn Trims .....T233  
15" Saturn Trims .....T234

A pack of four silver Saturn wheel trims, available to fit 13", 14", and 15" wheels.

**PACK OF 4  
JUPITER WHEEL TRIMS**



13" Jupiter Trims .....T235  
14" Jupiter Trims .....T236  
15" Jupiter Trims .....T237

A pack of four silver Jupiter wheel trims, available to fit 13", 14", and 15" wheels.

**PACK OF 4  
MARS WHEEL TRIMS**



13" Mars Trims .....T238  
14" Mars Trims .....T239  
15" Mars Trims .....T240

A pack of four silver Mars wheel trims, available to fit 13", 14", and 15" wheels.

**JUPITER 15"  
WHEEL TRIMS**



4 x Jupiter 15" Silver Trims.G730

A superb quality pack of 4 x 15" Jupiter Wheel Trims

**ANCONA  
WHEEL TRIMS**



Pair 13" Ancona (White).....G721  
Pair 13" Ancona (Magnolia)G722

A stylish pair of Wheel Trims in two different colourways.

**GENOA  
WHEEL TRIMS**



Pair 13" Genoa (Cream).....G724  
Pair 13" Genoa (Silver).....G725

A stylish pair of Wheel Trims in two different colourways.

**MODENA  
WHEEL TRIMS**



Pair 13" Modena (White) .....G726  
Pair 13" Modena (Silver) .....G731

A stylish pair of Wheel Trims in two different colourways.

**VICENZA  
WHEEL TRIMS**



Pair 14" Vicenza (White) .....G728  
Pair 14" Vicenza (Silver) .....G729

A stylish pair of Wheel Trims in two different colourways.

**WHEEL TRIMS**



G734 G732

Four 15" Star (Silver) .....G734  
Pair 16" Raised (White) .....G732

Wheel Trims to fit larger hub sizes.

**H/D YELLOW WHEEL  
CHOCK**



H/D Yellow Chock .....T246

A sturdy, heavy duty yellow wheel chock for caravans or motorhomes.

**PAIR OF BLACK  
WHEEL CHOCKS**



Pair of Black Chocks .....T287

A pair of handy Wheel Chocks with handles.

**FULL FACE  
WHEEL CLAMP**



Full Face Wheel Clamp.....T251

A quick fitting, full face, bright yellow steel folding wheel clamp for extra caravan security. Fits most 13" to 15" wheels, except bulbous profiles.

**GRIP TRAK**



Grip Trak Mats .....G720

A pair of yellow ridged Grip Trak mats for extra grip on boggy ground.

**DOUBLE CYLINDER  
FOOT PUMP**



Double Foot Pump .....T245

A high capacity, double cylinder air foot pump with an integral 100psi gauge and adapters for airbeds, footballs and bicycles.

**12v INFLATOR/DEFLATOR  
AIR COMPRESSOR**



Air Compressor .....T215

This useful and powerful 12v air compressor is ideal for inflating and deflating airbeds, dinghys, tyres, etc.

**WHEEL ARCH COVERS**



Double Arch Cover .....L519  
Single Arch Cover .....L520

Single and double PVC wheel arch covers with rubber suckers, used for covering caravan wheels when awnings are erected.

**BREATHABLE CARAVAN COVER**



- 12-14 ft Cover.....T218
- 14-17ft Cover .....T219
- 17-19ft Cover .....T220
- 19-21ft Cover .....T221
- 21-23ft Cover .....T222

A range of water resistant, breathable, non-woven polypropylene covers to fit all sizes of caravans. Zips provide easy side access and strong adjustable securing straps, elasticated hem and double stitched seams ensure a tight fit to vehicle.

**BREATHABLE MOTORHOMER COVER**



- S Cover (to 5.5m) .....T223
- M Cover (to 6m) .....T224
- L Cover (to 6.5m) .....T225
- XL Cover (to 7m) .....T226
- XXL Cover (to 7.5m) .....T227

A range of water resistant, breathable, non-woven polypropylene covers to fit all sizes of motorhomes. Zips at each corner aids fitting, and strong adjustable securing straps, elasticated hem and double stitched seams ensure a tight fit to vehicle.

**PORTABLE 12v FAN & CAR HEATER**



- Fan Heater .....T216

This stylish, portable 12v Fan & Heater is ideal for cooling or heating your car, caravan or motorhome. Comes complete with an adjustable angle swivel stand for easy positioning.

**12v HEATED TRAVEL BLANKET**



- Heated Travel Blanket .....T217

A large 105cm x 145cm polyester fleece, 12v heated travel blanket, to bring comfortable warmth in minutes. Comes complete with 2.4m of cable and an adjustable temperature control.

**FIREMASTER FIRE EXTINGUISHERS**



- 0.95kg Firemaster (BC).....M316
- 1kg Firemaster (ABC) .....M317
- 2kg Firemaster (ABC) .....M318

An essential tool for life on the move, these dry powder fire extinguishers handle most fire types and come complete with mounting brackets for easy access during an emergency.

**2 PIECE FLEXIBLE FUNNEL**



- Flexible Funnel .....T124

A two piece flexible funnel with integral mesh strainer for easy filling from containers,

**COLLAPSIBLE RUBBISH BIN**



- Folding Rubbish Bin .....T128

A superb folding rubbish bin, with heavy duty Velcro securing pad at the base. Idea for the home, car, caravan or motorhome.

**NETTED MAGAZINE HOLDER**



- Netted Magazine Holder.....F499

This superb quality magazine net screws onto any vertical surface to give useful expandable storage. Dimensions: 310mm x 210mm

**THREE IN ONE TOOL**



- 3 in 1 Tool .....T126

A great value, 3-in-1 tool containing LED light, non slip hook for fixing to key rings or belts, and a bottle opener.

**12 PIECE KEY RING SET**



- Key Ring Set.....T127

An assorted packet of 12 key fobs and key indicator tags for identifying different keys easily.

**4 PIECE LUGGAGE ELASTICS SET**



- 4 x 80cm Elastics Set .....T122

A packet of 4 x 80cm luggage elastics in different colours.

**8 CLAW LUGGAGE ELASTIC**



- 8 Claw 'Spider' Elastic.....T231

An eight claw "spider" luggage elastic for fastening items securely.

**TIE DOWN STRAPS**



- 2.5m Buckle Straps .....T228
- 3.5m Ratchet Straps .....T229

These straps provide two different methods of securing loads, by 2.5 metre buckle straps and the stronger 3.5 metre ratchet straps with hooks

**8 PIECE TIE DOWN SET**



- 8 Pc Tie Down Set .....T230

A great securing systems package including 4 elastic luggage straps, 2 x 2.5m buckle webbing straps and 2 x 3.5m ratchet webbing straps with hooks.

**STICKY TAPES**



- Black Gaffer Tape (50m) .....T241
- Silver Gaffer Tape (50m) .....T242
- White Gaffer Tape (50m) .....T243
- Double Sided Tape (5m) .....T244

Three different colour, highly adhesive cloth gaffer/duct tapes on 50 metre rolls of 50mm wide tape. The 5m roll of Double Sided tape is 25mm wide.

**10 PIECE HOSE CLIP SET**



- 10 Piece Hose Clip Set .....T115

A great value pack of 5 pairs of different size worm hose clips. The pack contains 2 each of 8-13mm, 11-20mm, 13-23mm, 18-25mm, and 14-27mm Hose Clips.

# Fixings & Fittings

Wiring systems need physical as well as electrical protection, and Semloh Electrics stock a wide variety of encompassing tubing, sleeving and tapes to ensure that cable and connectors are fully protected in harnesses and looms. We also stock a large range of cable ties and clips for cable fixing, and a selection of workshop and maintenance products, including over 40 sealants, adhesives, lubricants and cleaners.



- Protective Sleeving
- Protective Sheathing
- Cable Ties
- Cable Clips
- Sealants & Adhesives
- Lubricants & Cleaners
- Screws & Fasteners

# PROTECTIVE SLEEVING



A range of flexible convoluted tubing conduits, manufactured from black, heat stabilised, nylon polyamide 6, which provides excellent resistance to abrasion, auto fluids and fuels, and has a wide working temperature range from -40°C to +140°C. The tubing is also UV steady, flame retardant, and halogen/cadmium free, and is supplied in standard coils as listed, with or without a continuous slit along its length, for ease of cable insertion. Other coil lengths available on request.

## NYLON CONVOLUTED TUBING

for HARNESS and WIRE PROTECTION

Semloh Code Without SLIT	Semloh Code With SLIT	Internal Diameter (mm)	External Diameter (mm)	Coil Length (m)
V147	V155	6.8	9.9	50m
V148	V156	8.5	12.9	50m
V149	V157	9.9	13.0	50m
V150	V158	12.7	15.8	50m
V151	V159	17.0	21.0	50m
V152	V160	21.3	25.4	50m
V153	V161	23.2	28.3	50m
V154	V162	29.0	34.5	25m



A range of flexible convoluted tubing conduits, manufactured from black, modified polypropylene, possessing high thermostability, and excellent cold impact strength and chemical stability. The tubing is also UV steady, flame retardant, and cadmium free, and has a wide working temperature range from -40°C to +130°C. It is supplied in standard coils as listed, with or without a continuous slit along its length, for ease of cable insertion. Other coil lengths available on request.

## POLYPROPYLENE CONVOLUTED TUBING

for HARNESS and WIRE PROTECTION

Semloh Code Without SLIT	Semloh Code With SLIT	Internal Diameter (mm)	External Diameter (mm)	Coil Length (m)
V163	V171	6.8	9.9	50m
V164	V172	8.5	12.9	50m
V165	V173	9.9	13.0	50m
V166	V174	12.7	15.8	50m
V167	V175	17.0	21.0	50m
V168	V176	21.3	25.4	50m
V169	V177	23.2	28.3	50m
V170	V178	29.0	34.5	25m



General purpose, flame retarded, 2:1 ratio, polyolefin heat shrink sleeving, available in a wide range of sizes. With its excellent chemical and solvent resistance, wide working temperature range of -40°C to +135°C, and offering high abrasive and electrical protection, it is suitable for a wide range of applications, including electrical insulation, strain relief, cable bundling, colour coding, and identification of wires, cables, pipes and components. Shrink temperature is approximately 100°C. Available as standard in 5 metre lengths of Black (B) or Red (R) sleeving, but other colours and bulk lengths are available on request.

## 2:1 HEAT SHRINK SLEEVING

for HARNESS and WIRE PROTECTION

Semloh Code (Use colour suffix)	Pre Shrink I/D as Supplied (mm)	Shrunk I/D after Heating (mm)	Wall Thickness after Heating (mm)	Pack Quantity (m)
V179 (B or R)	2.4	1.2	0.50	5m
V180 (B or R)	3.2	1.6	0.50	5m
V181 (B or R)	4.8	2.4	0.50	5m
V182 (B or R)	6.4	3.2	0.65	5m
V183 (B or R)	9.5	4.8	0.65	5m
V184 (B or R)	12.7	6.4	0.65	5m
V185 (B or R)	19.0	9.5	0.75	5m
V186 (B or R)	25.4	12.7	0.90	5m
V187 (B or R)	38.0	19.0	1.00	5m
V188 (B or R)	51.0	25.4	1.15	5m



A semi-flexible, 3:1 ratio, black polyolefin heat shrink sleeving with meltable adhesive inner lining, designed to provide moisture proof sealing to a wide range of substrates, such as electrical wire splices, cable jackets, harness breakouts and electrical components. Available as standard in 1.22 metre sticks of black sleeving, but bulk lengths are available on request. The working temperature range is -55°C to +110°C and the shrink temperature is approximately 100°C.

## 3:1 ADHESIVE LINED HEAT SHRINK SLEEVING

for HARNESS and WIRE PROTECTION

Semloh Code Without Slit	Pre Shrink I/D as Supplied (mm)	Shrunk I/D after Heating (mm)	Wall Thickness after Heating (mm)	Pack Quantity (m)
V189	3.0	1.0	1.00	1.22m
V190	6.0	2.0	1.00	1.22m
V191	9.0	3.0	1.40	1.22m
V192	12.0	4.0	1.75	1.22m
V193	19.0	6.0	2.25	1.22m
V194	24.0	8.0	2.50	1.22m
V195	40.0	13.0	2.50	1.22m



# PROTECTIVE SHEATHING



An essential range of lead free, flexible black PVC tubular sleeving, ideal for the protection of wires and harnesses, or for bundling cables together. The PVC sleeving offers excellent chemical resistance to oil, petrol and water, high electrical insulation resistance, and has a wide working temperature range, from -25°C to +105°C.

## PVC SLEEVING

for HARNESS and WIRE PROTECTION

Semloh Code	Internal Diameter (mm)	Wall Thickness (mm)	Coil Length (m)
V210	4.0	0.5	100m
V211	5.0	0.5	100m
V212	6.0	0.5	100m
V213	8.0	0.5	100m
V214	10.0	0.5	100m
V215	12.0	0.5	100m
V216	14.0	0.5	100m
V217	16.0	0.5	100m
V218	20.0	1.0	50m
V219	25.0	1.0	50m



This low density, halogen free, black polythene spiral binding offers a simple and fast method of bundling, binding and protecting cable looms, whilst at the same time allowing wires to be brought from the harness. It has an operating temperature range from -50°C to +85°C.

## POLYTHENE SPIRAL BINDING

for HARNESS and WIRE PROTECTION

Semloh Code	Nominal Size (mm)	Capacity (mm)	Internal Diameter (mm)	Coil Length (m)
V220	3.0	1.5 - 7.0	1.5	25m
V221	6.0	5.0 - 20.0	4.0	25m
V222	12.0	10.0 - 40.0	9.0	25m
V223	22.0	25.0 - 100.0	19.0	25m



A flame retardant, non adhesive, black PVC harness tape which is ideal for wrapping harnesses and wiring looms to protect them against abrasion, and offer extra insulation. The tape is 0.13mm thick, and has a working temperature range from 0°C to +90°C.

## PVC NON-ADHESIVE HARNESS TAPE - Sold in packs of 10

Semloh Code	Tape Width (mm)	Colour	Roll Length (m)
V224	19	Black	20m
V225	25	Black	20m



A high quality, water and UV resistant, self-amalgamating resin tape, which is ideal for permanently waterproofing electrical cables and cable joints. Can also be used for fast, temporary repairs to hoses and water pipes. The tape is 0.5mm thick, and has a working temperature range from -30°C to +100°C.

## SELF AMALGAMATING TAPE - Sold in packs of 10

Semloh Code	Tape Width (mm)	Colour	Roll Length (m)
V226	19	Black	10m
V227	25	Black	10m



A range of strong, flame retardant PVC self adhesive tapes suitable for general electrical insulation work, certified to BS3924. Its low cost makes this tape ideal also for bundling cables, tagging and colour coding as well as offering protection against abrasion. The tape has a working temperature range from 0°C to +70°C.

## PVC ADHESIVE INSULATING TAPE - Sold in packs of 10

Semloh Code (use Suffix)	Normal Size (mm)	Colours Available	Roll Length (m)
V228	19mm wide x 0.15mm thick	Black(B), Red(R), Blue(U), Green(G), Yellow(Y), White(W), Brown(N), Grey(S) and Earth(E)	20m
V229	19mm wide x 0.18mm thick	Black	33m

# CABLE TIES



## BLACK CABLE TIES

Cable Tie Description	Size (mm)	Size (ins)	Tensile Strength (kg)	Max Holding Diameter (mm)	Retail Code Pack of 10	Bulk Code Pack of 100
Black Cable Tie (100mm x 2.5mm)	100 x 2.5	4 x 3/32	8.0	19.9	F839	F890
Black Cable Tie (140mm x 3.6mm)	140 x 3.6	5 x 1/8	18.1	29.9	F840	F891
Black Cable Tie (160mm x 4.8mm)	160 x 4.8	6 x 3/16	22.1	35.9	F878	F879
Black Cable Tie (200mm x 2.5mm)	200 x 2.5	8 x 3/32	8.0	49.9	F880	F881
Black Cable Tie (200mm x 3.6mm)	200 x 3.6	8 x 1/8	18.1	49.9	F882	F883
Black Cable Tie (200mm x 4.8mm)	200 x 4.8	8 x 3/16	22.1	49.9	F841	F892
Black Cable Tie (250mm x 4.8mm)	250 x 4.8	10 x 3/16	22.1	69.9	F884	F885
Black Cable Tie (250mm x 7.6mm)	250 x 7.6	10 x 5/16	54.5	69.9	F842	F893
Black Cable Tie (300mm x 4.8mm)	300 x 4.8	12 x 3/16	22.1	76.7	F844	F895
Black Cable Tie (300mm x 7.6mm)	300 x 7.6	12 x 5/16	54.5	76.7	F843	F894
Black Cable Tie (370mm x 7.6mm)	370 x 7.6	14 x 5/16	54.5	99.9	F845	F896
Black Cable Tie (430mm x 4.8mm)	430 x 4.8	17 x 3/16	22.1	108.9	F846	F897
Black Cable Tie (550mm x 9.0mm)	550 x 9.0	22 x 3/8	68.5	139.0	F847	F898
Black Cable Tie (580mm x 12.7mm)	580 x 12.7	23 x 1/2	112.9	162.1	F848	F899

## SILVER WHEEL TRIM CABLE TIES

Silver Cable Tie (300mm x 4.8mm)	300 x 4.8	12 x 3/16	22.1	76.7	F886	F887
Silver Cable Tie (370mm x 4.8mm)	370 x 4.8	14 x 3/16	22.1	99.9	F888	F889

A popular size range of non-releasable nylon cable ties, approved to UL94V2, with excellent tensile strength, resistance to flammability and chemicals, and a wide working temperature range from -40° to +85°. The ties can be tightened by hand or by a tie tensioning tool, and a range of other cable tie sizes and colours are available on request.

### CABLE TIE ADHESIVE BASE



19mm x 19mm 4 Way Base (Pk 100) .....V100  
25mm x 25mm 4 Way Base (Pk 100) .....V101

A range of black, 4 way, self adhesive cable tie bases, for securing cable ties quickly and easily. The small base accepts ties up to 3.6mm width, and the medium base up to 4.8mm width. White bases available on request.

### CABLE TIE SCREW ON BASES



Small Cradle Base to 4.8mm (Pk 100).....V102  
Large Cradle Base to 9mm (Pk 100) .....V103  
XL Cradle Base to 12.7mm (Pk 100).....V104  
Eyelet Mount Base to 4.8mm (Pk 100).....V105

A range of black, screw on, strong nylon cable tie bases, for the secure fixing of a range of sizes of cable ties. Available as a cradle or eyelet mount. White bases available on request.

### CABLE TIE TENSIONERS



Tensioner & Cutter (2.5 to 4.8mm).....V106  
Tensioner & Cutter (4.8 to 7.6mm).....V107

Two sizes of steel mechanism, tie tensioner tools for the tensioning and cutting of nylon cable ties up to 7.6mm in width. Ideal for the accurate tightening of multiple ties in cable looms and panels.

## CABLE CLIPS



### ALUMINIUM SELF ADHESIVE CLIPS

Two sizes of self adhesive, aluminium cable clips, for the quick and easy securing of flat or round cables up to 9mm in diameter.

Up to 6mm Cables (Pk 100) .....V108  
Up to 9mm Cables (Pk 100) .....V109



### NYLON SELF ADHESIVE CLIPS

A range of durable nylon, self adhesive cable clips, for mounting flat or round cables up to 14mm in diameter.

For 5mm Diameter Cables (Pk 100) .....V110  
For 8mm Diameter Cables (Pk 100) .....V111  
For 14mm Diameter Cables (Pk 100) ...V112



### COATED STEEL SELF ADHESIVE CLIPS

A range of strong coated steel, self adhesive cable clips, for securing flat or round cables up to 14mm in diameter. The deformable tongue allows a variety of cable sizes for each clip.

20mm x 30mm for 6mm (Pk 100) .....V113  
25mm x 36mm for 8mm (Pk 100) .....V114  
31mm x 44mm for 12mm (Pk 100) .....V115  
38mm x 54mm for 14mm (Pk 100) .....V116



### BLACK NYLON P CLIPS

A range of durable black nylon, fixed P cable clips, with mounting hole, for securing cable diameters or conduit up to 25.4mm.

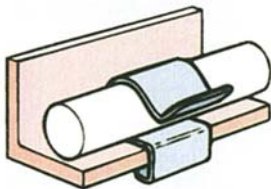
4.8mm Black P Clip (Pk 100).....V117  
6.0mm Black P Clip (Pk 100).....V118  
9.0mm Black P Clip (Pk 100).....V119  
12.0mm Black P Clip (Pk 100).....V120  
19.0mm Black P Clip (Pk 100).....V121  
25.4mm Black P Clip (Pk 100).....V122



### RUBBER LINED STEEL P CLIPS

A range of rubber lined, zinc plated steel fixed P cable clips, with mounting hole, for securing cable diameters or conduit up to 35mm. The rubber coating helps eliminate vibration and cable wear.

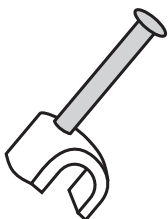
5mm Rubber Lined Clip (Pk 50).....V123  
6mm Rubber Lined Clip (Pk 50).....V124  
8mm Rubber Lined Clip (Pk 50).....V125  
10mm Rubber Lined Clip (Pk 50).....V126  
13mm Rubber Lined Clip (Pk 50).....V127  
16mm Rubber Lined Clip (Pk 50).....V128  
21mm Rubber Lined Clip (Pk 50).....V129  
25mm Rubber Lined Clip (Pk 50).....V130  
29mm Rubber Lined Clip (Pk 50).....V131  
35mm Rubber Lined Clip (Pk 50).....V132



### SPRUNG STEEL CHASSIS CLIPS

These ingenious sprung steel chassis clips allow a range of cable sizes to be securely clipped onto a thin (2mm-4mm) or thick (4mm-7mm) steel edge.

For Thin Steel & 6-7mm Cable (Pk 25) .....V133  
For Thin Steel & 7-9mm Cable (Pk 25) .....V134  
For Thin Steel & 10-11mm Cable (Pk 25) .....V135  
For Thin Steel & 12-14mm Cable (Pk 25) .....V136  
For Thick Steel & 6-7mm Cable (Pk 25) .....V137  
For Thick Steel & 7-9mm Cable (Pk 25) .....V138  
For Thick Steel & 10-11mm Cable (Pk 25) ...V139  
For Thick Steel & 12-14mm Cable (Pk 25) ...V140  
For Multigauge Steel & Flat Cable (Pk 25) ...V141



### NAIL IN CABLE CLIPS

A range of the most popular nylon, nail-in cable clips for both round and flat cable profiles, complete with strong hardened steel pins, suitable for fixing to wood, masonry and PVC. Suitable eye protection should be worn during installation.

6mm Round Cable Clips (Pk 100) .....V142  
8mm Round Cable Clips (Pk 100) .....V143  
10mm Round Cable Clips (Pk 100) .....V144  
1.5mm<sup>2</sup> Flat T & E Cable Clips (Pk 100) ...V145  
2.5mm<sup>2</sup> Flat T & E Cable Clips (Pk 100) ...V146

**SODAL FIX ALL**



Sold in packs of 12

Soudal Fix All (290ml) .....G469

Soudal Fix All is the ultimate hybrid polymer sealant and adhesive, for nearly all interior and exterior applications. UV and weather resistant, it cures quickly to form a tough elastic bond without priming.

**SODASEAL RV61**



Sold in packs of 12

Soudaseal RV61 (290ml) .....T280

Soudaseal RV61 is a superb elastic hybrid bonding sealant, ideal for sealing joints and for the supple bonding of ABS materials.

**LTM4 PANEL ADHESIVE**



Sold in packs of 20

LTM4 Adhesive (310ml).....G458

LTM4 is a solvent-free, single pack polyurethane panel adhesive, suitable for all interior work, forming excellent bonds with timber, insulation, some plastics and metals.

**FC40 SEALANT ADHESIVE**



Sold in packs of 12

White FC40 (310ml) .....G491  
 Grey FC40 (310ml) .....G492  
 Black FC40 (310ml) .....G493

FC40 is a top quality, high modulus polyurethane sealant and adhesive, suitable for a wide range of surfaces and applications. Available in three colours.

**SEAMSEAL CV BEDDING SEALANT**



Sold in packs of 24

Cream Seamseal CV (380ml) .G460  
 White Seamseal CV (380ml) ..G461  
 Grey Seamseal CV (380ml) ....G462

Hodgson's Seamseal CV is a high performance, non-setting bedding sealant, with good adhesion to a wide variety of surfaces, especially coated metals. It is ideal for bedding seams, mouldings, rails, window & door frames, and many other types of covered joints in caravans, motorhomes and boats.

**SILFIX HM SILICONE SEALANT**



Sold in packs of 25

Clear Silfix HM (310ml).....G470  
 White Silfix HM (310ml) .....G480  
 Ivory Silfix LMA (310ml).....G490

Hodgson's Silfix HM is a premium quality, high modulus, acetoxy cure silicone sealant which offers outstanding strength, performance and durability. It cures quickly, and forms a tough rubber seal between many different substrates.

**SEAMSEAL BR BUTYL SEALANT**



Sold in packs of 24

White Seamseal BR (380ml) ..G496

Hodgson's Seamseal BR is a high quality butyl rubber based sealant which cures by solvent evaporation, and adheres to a wide range of substrates. It is typically used as a general bedding joint sealant in caravan construction.

**POLYSEAL 40 POLYURETHANE SEALANT**



Sold in packs of 12

White Polyseal 40 (310ml) ..G463

Hodgson's Polyseal 40 is a high quality moisture cured sealant based on polyurethane technology, to give very good movement accommodation, and adhesion to many surfaces. Used for the sealing of joints in caravans and motorhomes.

**MULTIBOND HIGH GRAB ADHESIVE**



Sold in packs of 12

Buff Multibond (350ml) .....G501

Hodgson's Multibond is a fast drying, extremely versatile and effective gunnable adhesive which has both superb adhesion to a wide variety of surfaces, and excellent gap filling properties. It is ideal for mounting trims, bonding timber, or as an interior panel adhesive.

**SIKA SIKAFLEX 512 CARAVAN**



Sold in packs of 12

White Sikaflex 512 (300ml) .G439

Sikaflex 512 Caravan is a one part, UV resistant, white multipurpose adhesive sealant, ideal for caravan and motorhome construction and repair. A polyurethane hybrid, it bonds well to a wide variety of substrates, and is suitable for making permanent elastic seals of high adhesive strength.

**SIKA SIKAFLEX 221**



Sold in packs of 12

White Sikaflex 221 (310ml) .G440  
 Black Sikaflex 221 (310ml) .G441

Sikaflex 221 is a fast curing, one part, polyurethane based, flexible adhesive sealant, ideal for caravan and motorhome manufacture and repair. It cures on exposure to atmospheric moisture to form a durable elastomer of high adhesive strength.

**SIKA SIKAFLEX 252**



Sold in packs of 12

White Sikaflex 252 (300ml) .....G444

A white polyurethane assembly adhesive with exceptionally high mechanical strength, and excellent adhesion, allowing the bonding of materials like aluminium and glass reinforced plastic, without pre-treatment.

**SIKA CLEANERS**



G449 G450 G451

Cleaner 205 (205ml) .....G449  
 Remover 208 (1 litre) .....G450  
 Hand Cleaner (454g) .....G451

Cleaner 205 is a solvent wipe conditioner to improve adhesion, Remover 208 removes uncured Sikaflex from materials and tools, and the Hand Cleanser does the same for hands and skin.

**MULTI PURPOSE LITHIUM GREASE**



Lithium Grease (400g) .....T100

A 400g grease-gun cartridge of multi purpose lithium grease, for the reduction of friction and wear, support of seals, and corrosion protection. It has a wide working temperature from -20°C to 120°C.

**SKELETON GUNS**



G476 G468 G472

Sika Yellow Gun (310ml) .....G472  
 Cox Orange Gun (400ml) ....G476  
 H/D Deluxe Gun (310ml) .....G468

A range of Skeleton Guns for workshop use, ideal for the huge range of Semloh sealants and adhesives. The heavy duty gun has superb power and control, with no run-on.

**SPARE NOZZLES FOR SEALANT TUBES**



Spare Nozzles (10) .....G431

A handy packet of 10 spare sealant tube nozzles to fit most standard sized cartridges.

### FLOOR GLUES



**Floor Kit Std (1.5kg).....G454**  
**Floor Kit FS (1.5kg) .....G454FS**  
**Floor Kit Pro (1.5kg).....G459**

A range of two part, low viscosity, fast cure, epoxy adhesives, ideal for professional repairs to delaminated floors and walls in caravans, motorhomes and commercial vehicles.

### FLOOR KIT ACCESSORIES



**60ml Syringe for Floor Glue ..G456**  
**8mm Wooden Dowels (500) ..G473**  
**Latex Gloves (Box 100) .....G457**

Vital for all floor repairs, the large capacity, wide nozzle 60ml syringe injects the glue perfectly in an 8mm drilled hole, whilst greater bond strength and restricted overflow can be achieved by use of the 30mm dowel caps. Powdered latex gloves keep the hands free of glue.

### PANEL PRO ADHESIVE



**Panel Pro (1.3kg) .....G467**  
**Panel Pro (6.5kg) .....G466**  
**Adhesive Solvent (5L) .....G455**

A twin pack polyurethane adhesive for exceptional panel bonding to aluminium, timber-based materials, insulation, etc. The adhesive, when mixed, has no-drip viscosity for vertical surfaces, but with good slip for increased early manoeuvrability.

### HHS 2000 SPRAY GREASE



**HHS 2000 Grease (500ml)...G438**

HHS 2000 is a highly adhesive, pressure-resistant synthetic grease for long lasting protection against corrosion, friction, wear, salt water, etc, and is ideal for lubricating many exposed chassis parts.

### ULTRA 2040 LUBRICANT



**Ultra 2040 (500ml) .....G436**

Ultra 2040 is a superb lubricant, penetrant and water displacer, which is ideal for a wide range of vehicle & workshop use. The spray has a useful 360° valve and leaves a protective film of PTFE.

### ELECTRICAL SILICONE SPRAY GREASE



**Silicone Grease (500ml).....G435**

This insulating silicone grease spray has very high electrical resistance and is an extremely effective water repellent and lubricant. It is particularly ideal for switches, plug/sockets and electrical wiring.

### MULTIPURPOSE & BRAKE CLEANER



**Multi Cleaner (600ml).....G437**

A high quality component cleaner for maintenance, repair and assembly work. Ideal for the rapid and reliable cleaning of disc and drum brakes, engine and gearbox casings, tools, power units and vehicle components.

### LEAK DETECTOR PLUS SPRAY



**Detector Spray (400ml).....G434**

Leak Detector Plus Spray is a test foam for the rapid and reliable detection of micro gas leaks or hairline cracks. Leaks are quickly revealed by bubbles appearing in the foam.

### McKLORDS VEHICLE CLEANER



**Cleaner (1L) .....N112**

A non streaking, high performance cleaner which removes general grime, traffic film, brake dust and exhaust stains. 1 litre cleans up to 50 vehicles. Contains a beading agent for a great finish.

### McKLORDS SPOT CLEANER



**Spot Cleaner (1L) .....N113**

McKlorlds Spot Cleaner is an intense cleaner for severe soiling both inside and outside commercial and leisure vehicles. Safe to use on most surfaces, including furniture, curtains and carpets.

### McKLORDS VEHICLE POLISH



**Polish (1L) .....N114**

This premium quality polish is water based and non caustic, and quickly rejuvenates old and oxidised paintwork to leave a long lasting shine, for up to 20 weeks protection.

### McKLORDS WATERPROOFER



**Waterproofer (1L).....N117**

Waterproofs and protects any porous surface, including tents, awnings, clothing and shoes. By penetrating the surface and sealing from within it also protects against grease, oil and everyday spills.

### HOSE CLIPS



**M00 Jubilee Clip .....F290**  
**00 Jubilee Clip .....F300**  
**1/2" Herbie Clip .....F643**  
**3/4" Herbie Clip .....F644**  
**23.5mm Herbie Clip.....F645**  
**28.5mm Herbie Clip.....F646**

Ideal for securing hose connections quickly and easily.

### PRESS STUDS & POPPERS



**Awning Studs (5) .....N254**  
**Awning Studs & Poppers (5) ....N255**  
**Awning Popper Closing Tool....N256**

Studs and poppers used for securing boat and car hoods draught skirts or awnings, along with many other material uses.

### EYELETS & CLOSING TOOLS



**9.5mm Eyelets (20) .....N250**  
**13mm Eyelets (10) .....N251**  
**9.5mm Eyelet Tool .....N252**  
**13mm Eyelet Tool .....N253**

9.5mm and 13mm eyelet sets and closing tools for crimping the eyelets tight on the material.

### EYELETS & PRESS STUDS



**Hipkiss Eyelets PP24 .....G486**  
**Hipkiss Eyelets PP26 .....G487**  
**Hipkiss Press Stud Kit PP101 ..G488**  
**Hipkiss Turnbuckle Kit PP800 .G489**

A range of Hipkiss eyelets, press studs, and turnbuckles to meet a wide variety of fastening uses on vehicles and boats.

**STAINLESS PAN HEAD SCREWS (4-6)**



- 4 x 1/2" Pozi Screw .....N152
- 6 x 1/2" Pozi Screw .....N153
- 6 x 3/4" Pozi Screw .....N154
- 6 x 1" Pozi Screw .....N155

A range of size 4 and 6 stainless steel, self tapping pan head screws.

**STAINLESS PAN HEAD SCREW (8-10)**



- 8 x 1/2" Pozi Screw .....N156
- 8 x 3/4" Pozi Screw .....N157
- 8 x 1" Pozi Screw .....N158
- 10 x 3/4" Pozi Screw .....N159
- 10 x 1" Pozi Screw .....N160

A range of size 8 and 10 stainless steel, self tapping pan head screws.

**STAINLESS COUNTER SUNK SCREWS (4-6)**



- 4 x 1/2" Pozi Screw .....N161
- 6 x 1/2" Pozi Screw .....N162
- 6 x 3/4" Pozi Screw .....N163
- 6 x 1" Pozi Screw .....N164

A range of size 4 and 6 stainless steel, self tapping countersunk head screws.

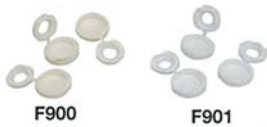
**STAINLESS COUNTER SUNK SCREWS (8-10)**



- 8 x 3/4" Pozi Screw .....N165
- 8 x 1" Pozi Screw .....N166
- 10 x 3/4" Pozi Screw .....N167
- 10 x 1" Pozi Screw .....N168

A range of size 8 and 10 stainless steel, self tapping countersunk head screws.

**HINGED SNAP CAPS**

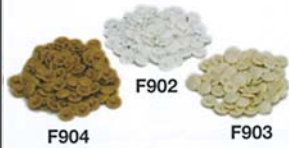


F900 F901

- White Snap Caps (10x10) ....F900
- Cream Snap Caps (10x10) ..F901

Hinged Snap Caps – Ideal for concealing screw or bolt heads.

**POZI SCREW TOP COVERS**



F902 F903 F904

- White Pozi Covers (10x10) ..F902
- Beige Pozi Covers (10x10) ..F903
- Brown Pozi Covers (10x10) ..F904

Three different colours of push in pozi-drive screw top covers, for concealing screw heads.

**DOMED SCREW CAPS**



F905 F906 F907

- Cream Domed Caps (10x10) ..F905
- Silver Domed Caps (10x10) ..F906
- Black Domed Caps (10x10) ..F907

These Domed Screw Caps are ideal for concealing screw heads, particularly on mirrors.

**DECRODOME POLYTOP PINS**



- White Decrodome Pins x 10 .....F908
- Off-White Decrodome Pins x 10 .....F908C
- Beige Decrodome Pins x 10 .....F908B
- White Decrodome Pins x 1000 .....F909
- Off-White Decrodome Pins x 1000 .....F910
- Beige Decrodome Pins x 1000 .....F911

These decrodome polytop panel pins are ideal for securing trims and other fittings. Available as a pack of 10, or a bulk pack of a 1000 pins.

**METAL FIXING BRACKETS**



- Metal Fixing Bracket (5x Off White) .....F502
- Metal Fixing Bracket (5x White) .....F503
- Metal Fixing Bracket (5x Light Cherry) ..F504
- Metal Fixing Bracket (5x Apple Cherry) ..F505
- Metal Fixing Bracket (5x Beige) .....F506

A packet of 5 zinc diecast Fixing Brackets with push on coloured covers to match the interior. Ideal for corner joints where the fixing may be visible.

**MAGNETIC CATCH**



- Magnetic Catch (1x10) .....F490

Light duty Magnetic Catch, ideal for closing small cupboard flaps.

**HEAVY DUTY MAGNETIC CATCH**



- H/D Magnetic Catch (1x10) ..C450

Heavy duty Magnetic Catch for heavier flaps and doors.

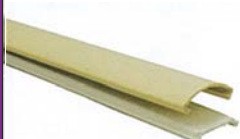
**ROLLER CATCH**



- Roller Catch (1x10).....C440

A nylon roller catch, ideal for small cupboards and boxes.

**D MOULD**



- White Top & Bottom (10) .....F100
- Beige Top & Bottom (10) .....F110

10 x 8 ft lengths of D mould (top & bottom) – Ideal for concealing joints and wiring.

**PLASTIC TURNBUTTON**



- F460 F440
- F450 F430
- Beige Turnbutton (1x10) .....F450
- Beige Spacer (1x10) .....F460
- Tan Turnbutton (1x10) .....F430
- Tan Spacer (1x10) .....F440

These Turnbuttons can be used with, or without, spacers for many retaining purposes.

**PLASTIC TURNBUCKLE**



- Plastic Turnbuckle (1x10)....F461

This solid turnbuckle has 35mm hole centres and has many uses.

**METAL TURNBUCKLE**



- Metal Turnbuckle (1x10).....F462

This metal turnbuckle has 35mm hole centres and has many uses.

# Index

This Semloh Electrics catalogue contains over 7000 product lines which are generally indexed in the following pages. If you are unable to find a specific product you require, then please contact our sales department on 0115 946 2498, who will be glad to assist you with your individual requirements.



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- [Product Codes L – Z](#)
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# SEMLOH ELECTRICS – TERMS AND CONDITIONS

## INTERPRETATION

**Definitions.** In these Conditions, the following definitions apply: **"Business Day"**: a day other than a Saturday, Sunday or public holiday in England when banks in London are open for business. **"Conditions"**: the terms and conditions set out in this document as amended from time to time in accordance with clause 11.6. **"Contract"**: the contract between the Supplier and the Customer for the sale and purchase of the Goods in accordance with these Conditions. **"Customer"**: the person or firm who purchases the Goods from the Supplier. **"Goods"**: the goods (or any part of them) set out in the Order. **"Order"**: the order by the Customer for the Goods. **"Supplier"**: Semloh Electrics Limited

**Construction.** In these Conditions, the following rules apply:

A person includes a natural person, corporate or unincorporated body (whether or not having separate legal personality)

A reference to a party includes its personal representatives, successors or permitted assigns

A reference to a statute or statutory provision is a reference to that statute or provision as amended or re-enacted. A

reference to a statute or statutory provision includes any subordinate legislation made under that statute or statutory provision, as amended or re-enacted

Any phrase introduced by the terms **including, include, in particular** or any similar expression shall be construed as illustrative and shall not limit the sense of the words preceding those terms

A reference to **writing or written** includes faxes and e-mails

## CONTRACT

These Conditions apply to the Contract to the exclusion of any other terms that the Customer seeks to impose or incorporate, or which are implied by trade, custom, practice or course of dealing

The Order constitutes an offer by the Customer to purchase the Goods in accordance with these Conditions. The Customer is responsible for ensuring that the terms of the Order are complete and accurate.

The Order shall only be deemed to be accepted by the Supplier:

when the Supplier issues a written acceptance of the Order; or

if earlier, when the Supplier delivers the Goods to the Customer

at which point the Contract shall come into existence.

The Contract constitutes the entire agreement between the parties. The Customer acknowledges that it has not relied on any statement, promise, representation, assurance or warranty made or given by or on behalf of the Supplier which is not set out in the Contract.

Any samples, drawings, descriptive matter, or advertising produced by the Supplier and any descriptions or illustrations contained in the catalogues or brochures of the Supplier are produced for the sole purpose of giving an approximate idea of the Goods described in them. They shall not form part of the Contract or have any contractual force.

## GOODS

The Goods are as described in the catalogue of the Supplier.

The Supplier reserves the right to amend the specification of the Goods at any time and without notice if required by any applicable statutory or regulatory requirements.

## DELIVERY

The Supplier shall ensure that each delivery of the Goods is accompanied by a delivery note which shows relevant reference numbers of the Customer and the Supplier, the type and quantity of the Goods.

The Supplier shall deliver the Goods to the location set out in the Order or such other location as the parties may agree

(**"Delivery Location"**) at any time after the Supplier notifies the Customer that the Goods are ready.

Delivery of the Goods shall be completed on the arrival of the Goods at the Delivery Location or, if the Customer collects the Goods from the Supplier's premises, at the time of collection by the Customer.

Any dates quoted for delivery are approximate only, and the time of delivery is not of the essence. The Supplier shall not be liable for any delay in delivery of the Goods that is caused by a Force Majeure Event or the failure of the Customer to provide the Supplier with adequate delivery instructions or any other instructions that are relevant to the supply of the Goods.

If the Supplier fails to deliver the Goods, its liability shall be limited to the costs and expenses incurred by the Customer in obtaining replacement goods of similar description and quality in the cheapest market available, less the price of the Goods. The Supplier shall have no liability for any failure to deliver the Goods to the extent that such failure is caused by a Force Majeure Event or the failure of the Customer to provide the Supplier with adequate delivery instructions or any other instructions that are relevant to the supply of the Goods.

If the Customer fails to take delivery of the Goods within 3 Business Days of the Supplier notifying the Customer that the Goods are ready, then, except where such failure or delay is caused by a Force Majeure Event or the failure of the Supplier to comply with its obligations under the Contract:

delivery of the Goods shall be deemed to have been completed at 9:00 am on the third Business Day following the day on which the Supplier notified the Customer that the Goods were ready; and

the Supplier shall store the Goods until delivery takes place, and charge the Customer for all related costs and expenses (including insurance).

The Supplier may deliver the Goods by instalments, which shall be invoiced and paid for separately. Each instalment shall constitute a separate Contract. Any delay in delivery or defect in an instalment shall not entitle the Customer to cancel any other instalment.

## QUALITY

The Supplier warrants that on delivery the Goods shall:

conform in all material respects with their description; and

be free from material defects in design, material and workmanship.

Subject to clause 5.3, if:

the Customer gives notice in writing to the Supplier that some or all of the Goods do not comply with the warranty set out in clause 5.1;

the Supplier is given a reasonable opportunity of examining such Goods; and

the Customer (if asked to do so by the Supplier) returns such Goods to the place of business of the Supplier at the cost of the Customer (such cost to be refunded by the Supplier if the Supplier determines the Goods do not comply with the warranty set out in clause 5.1);

the Supplier shall, at its option, repair or replace the defective Goods, or refund the price of the defective Goods in full.

The Supplier shall not be liable for failure of the Goods to comply with the warranty set out in clause 5.1 in any of the following events:

the Customer makes any further use of such Goods after giving notice in accordance with clause 5.2; or

the defect arises because the Customer failed to follow the oral or written instructions of the Supplier or manufacturer as to the storage, commissioning, installation, use and maintenance of the Goods or (if there are none) good trade practice regarding the same; or

the Customer alters or repairs such Goods without the written consent of the Supplier; or

the defect arises as a result of fair wear and tear, willful damage, negligence, or abnormal storage or working conditions; or

the Goods differ from their description as a result of changes made to ensure they comply with applicable statutory or regulatory requirements.

Except as provided in this clause 5, the Supplier shall have no liability to the Customer in respect of the failure of the Goods to comply with the warranty set out in clause 5.1.

The terms implied by sections 13 to 15 of the Sale of Goods Act 1979 are, to the fullest extent permitted by law, excluded from the Contract.

The Customer acknowledges that the Supplier is not the manufacturer of the Products. If, in respect of any of the Products, the manufacturer of those Products offers or provides a warranty, the Supplier shall, at the Customer's written request, use reasonable endeavours to ensure the Customer obtains the benefit of any such warranty.

## TITLE AND RISK

The risk in the Goods shall pass to the Customer on completion of delivery.

Title to the Goods shall not pass to the Customer until the earlier of:

the Supplier receives payment in full (in cash or cleared funds) for the Goods and any other goods that the Supplier has supplied to the Customer, in which case title to the Goods shall pass at the time of payment of all such sums; and

the Customer resells the Goods, in which case title to the Goods shall pass to the Customer at the time specified in clause 6.4.

Until title to the Goods has passed to the Customer, the Customer shall:

store the Goods separately from all other goods held by the Customer so that they remain readily identifiable as the property of the Supplier (and, in particular, shall store Goods for which the Customer has paid separately from Goods for which the Customer has not paid);

not remove, deface or obscure any identifying mark or packaging on or relating to the Goods;

maintain the Goods in satisfactory condition and keep them insured against all risks for their full price from the date of delivery;

notify the Supplier immediately if it becomes subject to any of the events listed in clause 8.2; and

give the Supplier such information relating to the Goods as the Supplier may require from time to time.

If the Customer allows the Goods (or any of them) for which the Customer has not paid to be stored with Goods for which the Customer has paid such that it is not possible to distinguish between Goods which have been paid for and those which have not been paid for, the Customer shall be deemed to have not paid for such number of the Goods which remain in the Customer's possession and for which the Supplier has not received payment.

Subject to clause 6.6, the Customer may resell or use the Goods in the ordinary course of its business (but not otherwise) before the Supplier receives payment for the Goods. However, if the Customer resells the Goods before that time:

it does so as principal and not as the agent of the Supplier; and

title to the Goods shall pass from the Supplier to the Customer immediately before the time at which resale by the Customer occurs.

If before title to the Goods passes to the Customer the Customer becomes subject to any of the events listed in clause 8.2 then, without limiting any other right or remedy the Supplier may have:

the right to resell the Goods by the Customer or use them in the ordinary course of its business ceases immediately; and

the Supplier may at any time:

require the Customer to deliver up all Goods in its possession which have not been resold, or irrevocably incorporated into another product; and

if the Customer fails to do so promptly, enter any premises of the Customer or of any third party where the Goods are stored in order to recover them.

## PRICE AND PAYMENT

The price of the Goods shall be the price set out in the published price list of the Supplier in force as at the date of delivery or, if different, the price specified in the Contract.

The Supplier may, by giving notice to the Customer at any time before delivery, increase the price of the Goods to reflect any increase in the cost of the Goods that is due to:

any factor beyond the Supplier's control (including foreign exchange fluctuations, increases in taxes and duties, and increases in labour, materials and other manufacturing costs); or

any request by the Customer to change the delivery date(s), quantities or types of Goods ordered or any delay caused by any instructions of the Customer or failure of the Customer to give the Supplier adequate or accurate information or instructions.

For Orders to be delivered within the UK mainland with a value of more than £150 the price of the Goods is inclusive of the costs for the delivery of the Goods. For Orders with a value of less than £150 or for delivery outside the UK mainland the costs of delivery will be charged to the Customer at the Supplier's standard rates and which costs shall be invoiced to the Customer in addition to the price of the Goods.

The price of the Goods is exclusive of amounts in respect of value added tax ("VAT"). The Customer shall, on receipt of a valid VAT invoice from the Supplier, pay to the Supplier such additional amounts in respect of VAT as are chargeable on the supply of the Goods.

The Supplier may invoice the Customer for the Goods on or at any time after the completion of delivery.

The Customer shall pay the invoice in full and in cleared funds within 30 days following the end of the month in the invoice is dated. Time of payment is of the essence.

If the Customer fails to make any payment due to the Supplier under the Contract by the due date for payment, then the Customer shall pay interest on the overdue amount at the rate of 4% per annum above the base rate of Barclays Bank PLC from time to time. Such interest shall accrue on a daily basis from the due date until actual payment of the overdue amount, whether before or after judgment. The Customer shall pay the interest together with the overdue amount.

The Customer shall pay all amounts due under the Contract in full without any set-off, counterclaim, deduction or withholding (except for any deduction or withholding required by law).

## TERMINATION AND SUSPENSION

If the Customer becomes subject to any of the events listed in clause 8.2, the Supplier may terminate the Contract with immediate effect by giving written notice to the Customer and, all amounts which are then outstanding and to be paid by the Customer to the Supplier (whether under the Contract or any other Contract) shall become immediately due and payable by the Customer.

For the purposes of clause 8.1, the relevant events are:

the Customer suspends, or threatens to suspend, payment of its debts or is unable to pay its debts as they fall due or admits inability to pay its debts or (being a company or limited liability partnership) is deemed unable to pay its debts within the meaning of section 123 of the Insolvency Act 1986, or (being an individual) is deemed either unable to pay its debts or as having no reasonable prospect of so doing, in either case, within the meaning of section 268 of the Insolvency Act 1986, or (being a partnership) has any partner to whom any of the foregoing apply;

the Customer commences negotiations with all or any class of its creditors with a view to rescheduling any of its debts, or makes a proposal for or enters into any compromise or arrangement with its creditors other than (where the Customer is a company) where these events take place for the sole purpose of a scheme for a solvent amalgamation of the Customer with one or more other companies or the solvent reconstruction of the Customer;

(being a company) a petition is filed, a notice is given, a resolution is passed, or an order is made, for or in connection with the winding up of the Customer, other than for the sole purpose of a scheme for a solvent amalgamation of the Customer with one or more other companies or the solvent reconstruction of the Customer;

(being an individual) the Customer is the subject of a bankruptcy petition or order;

a creditor or encumbrancer of the Customer attaches or takes possession of, or a distress, execution, sequestration or other such process is levied or enforced on or sued against, the whole or any part of its assets and such attachment or process is not discharged within 14 days;

(being a company) an application is made to court, or an order is made, for the appointment of an administrator or if a notice of intention to appoint an administrator is given or if an administrator is appointed over the Customer;

(being a company) the holder of a qualifying charge over the assets of the Customer has become entitled to appoint or has appointed an administrative receiver;

a person becomes entitled to appoint a receiver over the assets of the Customer or a receiver is appointed over the assets of the Customer;

any event occurs, or proceeding is taken, with respect to the Customer in any jurisdiction to which it is subject that has an effect equivalent or similar to any of the events mentioned in clause 8.2(a) to clause 8.2(h) (inclusive);

the Customer suspends, threatens to suspend, ceases or threatens to cease to carry on all or a substantial part of its business; or

the financial position of the Customer deteriorates to such an extent that in the opinion of the Supplier the capability of the Customer to adequately fulfill its obligations under the Contract has been placed in jeopardy.

Without limiting its other rights or remedies, the Supplier may suspend provision of the Goods under the Contract or any other contract between the Customer and the Supplier if the Customer becomes subject to any of the events listed in clause 8.2(a) to clause 8.2(i), or the Supplier reasonably believes that the Customer is about to become subject to any of them, or if the Customer fails to pay any amount due under this Contract on the due date for payment.

On termination of the Contract for any reason the Customer shall immediately pay to the Supplier all of the outstanding unpaid invoices and interest of the Supplier.

Termination of the Contract, however arising, shall not affect any of the parties' rights, remedies, obligations and liabilities that have accrued as at termination.

Clauses which expressly or by implication survive termination of the Contract shall continue in full force and effect.

## LIMITATION OF LIABILITY

Nothing in these Conditions shall limit or exclude the liability of the Supplier for:

death or personal injury caused by its negligence, or the negligence of its employees, agents or subcontractors (as applicable); or

fraud or fraudulent misrepresentation; or

breach of the terms implied by section 12 of the Sale of Goods Act 1979; or

any matter in respect of which it would be unlawful for the Supplier to exclude or restrict liability.

Subject to clause 9.1:

the Supplier shall under no circumstances whatever be liable to the Customer, whether in contract, tort (including negligence), breach of statutory duty, or otherwise, for any loss of profit, or any indirect or consequential loss arising under or in connection with the Contract; and

the total liability of the Supplier to the Customer in respect of all other losses arising under or in connection with the Contract, whether in contract, tort (including negligence), breach of statutory duty, or otherwise, shall in no circumstances exceed the price of the Goods.

## FORCE MAJEURE

Neither party shall be liable for any failure or delay in performing its obligations under the Contract to the extent that such failure or delay is caused by any event beyond a party's reasonable control, which by its nature could not have been foreseen, or, if it could have been foreseen, was unavoidable, including default of suppliers or subcontractors.

## GENERAL

**Assignment and other dealings.** The Customer may not assign, transfer, mortgage, charge, subcontract, declare a trust over or deal in any other manner with any or all of its rights or obligations under the Contract without the prior written consent of the Supplier.

**Notices.** Any notice or other communication given to a party under or in connection with the Contract shall be in writing, addressed to that party at its registered office (if it is a company) or its principal place of business (in any other case) or such other address as that party may have specified to the other party in writing in accordance with this clause, and shall be delivered personally, sent by pre-paid first-class post or other next working day delivery service, commercial courier, fax or e-mail. The provisions of this clause shall not apply to the service of any proceedings or other documents in any legal action.

**Severance.** If any provision or part-provision of the Contract is or becomes invalid, illegal or unenforceable, it shall be deemed modified to the minimum extent necessary to make it valid, legal and enforceable. If such modification is not possible, the relevant provision or part-provision shall be deemed deleted. Any modification to or deletion of a provision or part-provision under this clause shall not affect the validity and enforceability of the rest of the Contract.

**Waiver.** A waiver of any right or remedy under the Contract or law is only effective if given in writing and shall not be deemed a waiver of any subsequent breach or default. No failure or delay by a party to exercise any right or remedy provided under the Contract or by law shall constitute a waiver of that or any other right or remedy, nor shall it prevent or restrict the further exercise of that or any other right or remedy. No single or partial exercise of such right or remedy shall prevent or restrict the further exercise of that or any other right or remedy.

**Third party rights.** A person who is not a party to the Contract shall not have any rights to enforce its terms.

**Variation.** Except as set out in these Conditions, no variation of the Contract, including the introduction of any additional terms and conditions, shall be effective unless it is in writing and signed by the Supplier.

**Governing law.** The Contract, and any dispute or claim arising out of or in connection with it or its subject matter or formation (including non-contractual disputes or claims), shall be governed by, and construed in accordance with the law of England and Wales.

**Jurisdiction.** Each party irrevocably agrees that the courts of England and Wales shall have exclusive jurisdiction to settle any dispute or claim arising out of or in connection with this Contract or its subject matter or formation (including non-contractual disputes or claims).





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