



# Power cable accessories catalogue

## LV Joints



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# LV Joints

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This 'mini-catalogue' focusing on LV Joints is part of a larger, more comprehensive Power Cable Accessories Catalogue produced by Jointing Tech.

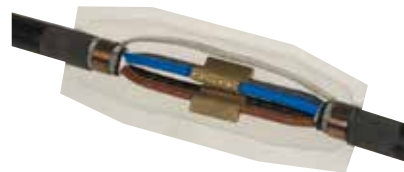
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## LV Inline Resin Joints - Armoured Cables

### FEATURES

- Designed to connect LV power cables inline by encapsulating in a resin filled shell
- Excellent mechanical protection
- Clear rigid joint shells to aid correct installation
- Large shell design allows the use of mechanical connectors
- Available with NEW REACH compliant HDI resin on request
- Kit comprises mould shell, 2 part polyurethane MDI resin, earth continuity kit, PVC tapes, gloves and crimp ferrules (on request)
- Mechanical connectors suitable for this range are available on page 26
- 1000V Rated
- Tested to BS EN 50393
- Tested to Engineering Standard C81

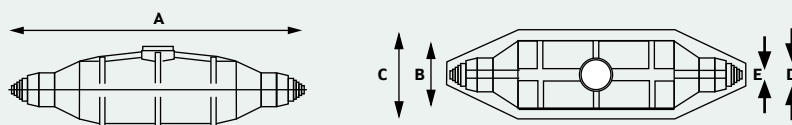


**Inline resin joints for LV armoured power cables**

Part number		Maximum Cable Size
MDI Resin	HDI Resin	
<b>TSJ-6</b>	<b>TSJ-6-HDI</b>	6mm <sup>2</sup> x 4 Core
<b>TSJ-16</b>	<b>TSJ-16-HDI</b>	16mm <sup>2</sup> x 4 Core
<b>TSJ-35</b>	<b>TSJ-35-HDI</b>	35mm <sup>2</sup> x 4 Core
<b>TSJ-70</b>	<b>TSJ-70-HDI</b>	70mm <sup>2</sup> x 4 Core

Part number		Maximum Cable Size
MDI Resin	HDI Resin	
<b>TSJ-120</b>	<b>TSJ-120-HDI</b>	120mm <sup>2</sup> x 4 Core
<b>TSJ-185</b>	<b>TSJ-185-HDI</b>	185mm <sup>2</sup> x 4 Core
<b>TSJ-300</b>	<b>TSJ-300-HDI</b>	300mm <sup>2</sup> x 4 Core

### Straight Joints Data



Part Number	Dimensions mm				
	A	B	C	ØD	ØE
TSJ-6	275	50	85	21	9
TSJ-16	295	60	95	27	15
TSJ-35	330	80	115	33	21
TSJ-70	395	110	140	41	29
TSJ-120	575	120	150	57	39
TSJ-185	670	135	170	67	49
TSJ-300	870	160	195	77	59

### Straight Joints Selection Table

Part Number	Cable conductor size mm <sup>2</sup>			Cable entry diameter mm	
	2-core	3-core	4-core	min	max
TSJ-6	1.5 - 10	1.5 - 10	1.5 - 6	9	21
TSJ-16	10 - 25	10 - 25	10 - 16	15	27
TSJ-35	35 - 50	35 - 50	25 - 35	21	33
TSJ-70	70 - 95	70 - 95	50 - 70	29	41
TSJ-120	120 - 150	120 - 150	95 - 120	39	57
TSJ-185	185 - 240	185 - 240	150 - 185	49	67
TSJ-300	300	300	240 - 300	59	77

Please contact your local sales office to join other cable variations

## LV Inline Resin Joints Plastic/Paper - Armoured Cables



### Inline resin joints for LV armoured power cables

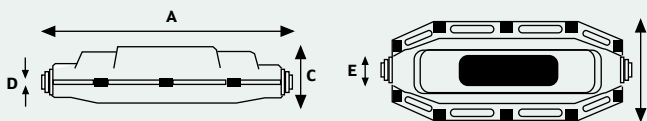
#### FEATURES

- Designed to connect LV power cables inline by encapsulating in a resin filled shell
- Excellent mechanical protection
- Large transparent, high impact resistant shells
- Large, extra wide shell design allows the use of mechanical connectors
- Clear resin bags to aid with mixing process
- All resin joints kit supplied with NEW REACH compliant JEM resin
- Kit comprises mould shell, JEM resin, earth continuity kit, PVC tapes, gloves and crimp ferrules (on request)
- Mechanical connectors suitable for this range are available on page 26
- 1000V Rated
- Tested to BS EN 50393
- Tested to Engineering Standard C81

Part number	Maximum Cable Size
<b>JST6</b>	6mm <sup>2</sup> x 4 Core
<b>JST16</b>	16mm <sup>2</sup> x 4 Core
<b>JST35</b>	35mm <sup>2</sup> x 4 Core
<b>JST95</b>	95mm <sup>2</sup> x 4 Core

Part number	Maximum Cable Size
<b>JST185</b>	185mm <sup>2</sup> x 4 Core
<b>JST300</b>	300mm <sup>2</sup> x 4 Core
<b>JST400</b>	400mm <sup>2</sup> x 4 Core

#### Straight Joints Data



Part Number	Dimensions mm				
	A	B	C	D	E
JST6	240	115	75	12	22
JST16	310	125	85	20	35
JST35	390	130	100	24	40
JST95	620	160	130	27	51
JST185	795	230	205	40	65
JST300	950	240	210	55	80
JST400	1100	275	260	56	92

#### Straight Joints Selection Table

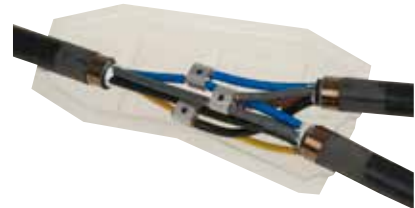
Part Number	Cable conductor size mm <sup>2</sup>			Cable entry diameter mm	
	2-core	3-core	4-core	Min	Max
JST6	1.5 - 10	1.5 - 6	1.5 - 6	12	22
JST16	16 - 25	10 - 25	10 - 16	20	35
JST35	35	35	25 - 35	24	40
JST95	50 - 95	50 - 95	50 - 95	27	51
JST185	120 - 185	120 - 185	120 - 185	40	65
JST300	240 - 300	240 - 300	240 - 300	55	80
JST400	400	400	400	56	92

Please contact your local sales office to join other cable variations

## LV Branch Resin Joints - Armoured Cables

### FEATURES

- Designed to connect LV power cables in branch formation by encapsulating in a resin filled shell
- Excellent mechanical protection
- Clear rigid joint shells to aid correct installation
- Large shell design allows the use of mechanical connectors
- Available with NEW REACH compliant HDI resin on request
- Kit comprises mould shell, 2 part polyurethane MDI resin, earth continuity kit, PVC tapes and gloves
- Mechanical connectors suitable for this range are available on page 26
- 1000V Rated
- Tested to BS EN 50393
- Tested to Engineering Standard C81

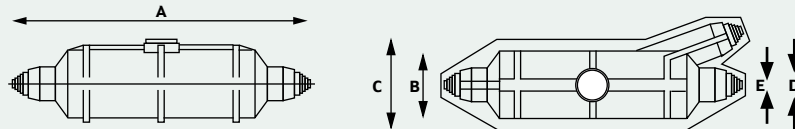


**Branch Resin joints for LV armoured power cables**

Part number		Maximum Cable Size
MDI Resin	HDI Resin	
TBJ-6	TBJ-6-HDI	6mm <sup>2</sup> x 4 Core
TBJ-16	TBJ-16-HDI	16mm <sup>2</sup> x 4 Core
TBJ-35	TBJ-35-HDI	35mm <sup>2</sup> x 4 Core
TBJ-70	TBJ-70-HDI	70mm <sup>2</sup> x 4 Core

Part number		Maximum Cable Size
MDI Resin	HDI Resin	
TBJ-120	TBJ-120-HDI	120mm <sup>2</sup> x 4 Core
TBJ-185	TBJ-185-HDI	185mm <sup>2</sup> x 4 Core
TBJ-300	TBJ-300-HDI	300mm <sup>2</sup> x 4 Core

### Branch Joints Data



Part Number	Dimensions				
	A	B	C	ØD	ØE
TBJ-6	245	60	120	21	9
TBJ-16	315	75	140	27	15
TBJ-35	380	100	170	33	21
TBJ-70	470	120	185	41	29
TBJ-120	595	150	220	57	39
TBJ-185	690	180	240	67	49
TBJ-300	870	195	275	77	59

### Branch Joints Selection Table

Part Number	Cable conductor size mm <sup>2</sup>			Cable entry diameter mm	
	2-core	3-core	4-core	min	max
TBJ-6	1.5 - 10	1.5 - 10	1.5 - 6	9	21
TBJ-16	10 - 25	10 - 25	10 - 16	15	27
TBJ-35	35 - 50	35 - 50	25 - 35	21	33
TBJ-70	70 - 95	70 - 95	50 - 70	29	41
TBJ-120	120 - 150	120 - 150	95 - 120	39	57
TBJ-185	185 - 240	185 - 240	150 - 185	49	67
TBJ-300	300	300	240 - 300	59	77

Please contact your local sales office to join other cable variations

## LV Branch Resin Joints Plastic/Paper - Armoured Cables



### Branch Resin joints for LV armoured power cables

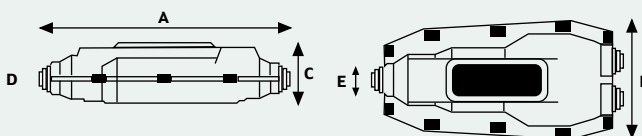
#### FEATURES

- Designed to connect LV power cables in branch formation by encapsulating in a resin filled shell
- Excellent mechanical protection
- Large transparent, high impact resistant shells
- Clear resin bags to aid with mixing process
- All resin joints kit supplied with NEW REACH compliant JEM resin
- Kit comprises mould shell, JEM resin, earth continuity kit, PVC tapes and gloves
- Mechanical connectors suitable for this range are available on page 26
- 1000V Rated
- Tested to BS EN 50393
- Tested to Engineering Standard C81

Part number	Maximum Cable Size
<b>JBR-6</b>	6mm <sup>2</sup> x 4 Core
<b>JBR-16</b>	16mm <sup>2</sup> x 4 Core
<b>JBR-35</b>	35mm <sup>2</sup> x 4 Core

Part number	Maximum Cable Size
<b>JBR-95</b>	95mm <sup>2</sup> x 4 Core
<b>JBR-185</b>	185mm <sup>2</sup> x 4 Core
<b>JBR-300</b>	300mm <sup>2</sup> x 4 Core

#### Branch Joints Data



Part Number	Dimensions mm				
	A	B	C	D	E
JBR-6	240	125	75	12	22
JBR-16	345	160	95	20	35
JBR-35	435	175	100	24	40
JBR-95	650	210	190	27	51
JBR-185	870	250	230	40	65
JBR-300	1020	300	310	55	80

#### Branch Joints Selection Table

Part Number	Cable conductor size mm <sup>2</sup>			Cable entry diameter mm	
	2-core	3-core	4-core	min	max
JBR-6	1.5 - 10	1.5 - 6	1.5 - 6	12	22
JBR-16	16 - 25	10 - 25	10 - 16	20	35
JBR-35	35	35	25 - 35	24	40
JBR-95	50 - 95	50 - 95	50 - 95	27	51
JBR-185	120 - 185	120 - 185	120 - 185	40	65
JBR-300	240 - 300	240 - 300	240 - 300	55	80

Please contact your local sales office to join other cable variations



## LV Inline Resin Joints - Unarmoured Cables

### FEATURES

- Designed to connect inline unarmoured LV power cables by encapsulating in a resin filled shell
- One part mould body with snap fit closing system for a simpler installation
- Supplied with European legislation (REACH) compliant two part polyetherurethane resin
- Kit comprises mould shell, Scotchcast 470W resin, snap in five core spacer, abrasive sponge, gloves and crimp ferrules (on request)
- Tested to BS EN 50393



**Inline resin joints for LV unarmoured power cables**

Part number	Maximum cable size mm <sup>2</sup>
<b>91-NBA-0</b>	4mm <sup>2</sup> x 4 Core
<b>91-NBA-1</b>	10mm <sup>2</sup> x 4 Core
<b>91-NBA-3</b>	35mm <sup>2</sup> x 4 Core
<b>91-NBA-4</b>	50mm <sup>2</sup> x 4 Core

Part number	Maximum cable size mm <sup>2</sup>
<b>91-NBA-5</b>	95mm <sup>2</sup> x 4 Core
<b>91-NBA-6</b>	150mm <sup>2</sup> x 4 Core
<b>91-NBA-7</b>	240mm <sup>2</sup> x 4 Core

## LV Inline Resin Joints - Pilot & Telecom Cables

### FEATURES

- Designed to connect inline pilot and telecom cables by encapsulating in a resin filled shell
- One part mould body with snap fit closing system for a simpler installation
- Supplied with European legislation (REACH) compliant two part polyetherurethane resin
- Kit comprises mould shell, Scotchcast 470W resin, copper stocking, constant force springs, Scotch 23 tape, web spacer tape and crimp ferrules (on request)
- Tested to BS EN 50393



**Inline resin joints for pilot and telecom cables**

Part number	Maximum cable size mm <sup>2</sup>	
	Telecom	Pilot
<b>LVI-1/2-PT</b>	2 Pair 0.9mm <sup>2</sup>	-
<b>LVI-1/3-PT</b>	5-15 Pair 0.9mm <sup>2</sup>	2-4 Core 1.5-2.5mm <sup>2</sup>
<b>LVI-1/4-PT</b>	20-30 Pair 0.9mm <sup>2</sup>	7-19 Core 1.5-2.5mm <sup>2</sup>

Part number	Maximum cable size mm <sup>2</sup>	
	Telecom	Pilot
<b>LVI-1/5-PT</b>	40-50 Pair 0.9mm <sup>2</sup>	27-37 Core 1.5-2.5mm <sup>2</sup>
<b>LVI-1/6-PT</b>	60-100 Pair 0.9mm <sup>2</sup>	-

## LV Inline Petrochemical Resin Joints - Armoured Cables

### FEATURES

- Designed to connect inline multi-core, armoured polymeric, low voltage energy cables in hazardous areas
- Two part mould body with snap fit closing system for quick and easy handling
- Transparent flame retardant mould body for easy control of connector distances
- Flame retardant according to UL94 V0
- Chemical resistant, especially against hydro carbons
- Supplied with new European standard (REACH) compliant 1402 FR hazardous area resin



**Inline petrochemical resin joints for LV armoured power cables**

Part number	Maximum cable size mm <sup>2</sup>
<b>LVI-3/2-C</b>	6mm <sup>2</sup> x 4 core
<b>LVI-3/3-C</b>	16mm <sup>2</sup> x 4 core
<b>LVI-3/4</b>	35mm <sup>2</sup> x 4 core
<b>LVI-3/5</b>	70mm <sup>2</sup> x 4 core

Part number	Maximum cable size mm <sup>2</sup>
<b>LVI-3/6</b>	120mm <sup>2</sup> x 4 core
<b>LVI-3/7</b>	185mm <sup>2</sup> x 4 core
<b>LVI-3/8</b>	400mm <sup>2</sup> x 4 core



## Heat Shrink Joint - Multicore Cables



### Heat Shrink joint for armoured multicore cables

#### FEATURES

- Designed to connect LV armoured multicore cables within a heat shrink joint
- Suitable for indoor or outdoor environments
- Excellent electrical insulation and mechanical strength from protective liner
- Simple and fast installation - no curing time
- Immediate backfill
- 1000V Rated
- Tested to BS EN 50393
- Temperature Rating -50°C to +50°C

Part number	Maximum cable size mm <sup>2</sup>
<b>ECKJ-0017</b>	1-2.5mm <sup>2</sup> x 7 Core
<b>ECKJ-0018</b>	1-2.5mm <sup>2</sup> x 14 Core
<b>ECKJ-0019</b>	1-2.5mm <sup>2</sup> x 21 Core

Part number	Maximum cable size mm <sup>2</sup>
<b>ECKJ-0020</b>	1-2.5mm <sup>2</sup> x 40 Core
<b>ECKJ-0021</b>	1-2.5mm <sup>2</sup> x 75 Core

#### Multicore with Armour Data

Part Number	Number of Cores	Size of Conductor mm <sup>2</sup>	Diameter over Inner Sheath mm	Overall Diameter mm
ECKJ-0017	4-7	1-2.5	9-15	14-23
ECKJ-0018	8-14	1-2.5	10-18	15-26
ECKJ-0019	15-21	1-2.5	18-26	24-35
ECKJ-0020	22-40	1-2.5	23-26	30-45
ECKJ-0021	41-75	1-2.5	32-44	39-55

## Heat Shrink Joint - Multi-Pair Cables



### Heat Shrink joint for armoured multipair cables

#### FEATURES

- Designed to connect LV armoured multipair cables within a heat shrink joint.
- Suitable for indoor or outdoor environments
- Excellent electrical insulation and mechanical strength from protective liner
- Simple and fast installation - no curing time
- Immediate backfill
- 1000V Rated
- Tested to BS EN 50393
- Temperature Rating -50°C to +50°C

Part number	Maximum cable size mm <sup>2</sup>
<b>ECKJ-0140</b>	0.6-1mm <sup>2</sup> - 1- 4 Pair
<b>ECKJ-0141</b>	0.6-1mm <sup>2</sup> - 5-7 Pair
<b>ECKJ-0142</b>	0.6-1mm <sup>2</sup> - 8-19 Pair

Part number	Maximum cable size mm <sup>2</sup>
<b>ECKJ-0143</b>	0.6-1mm <sup>2</sup> - 20-37 Pair
<b>ECKJ-0144</b>	0.6-1mm <sup>2</sup> - 38-61 Pair

#### Multipair with Armour Data

Part Number	Number of Pairs	Size of Conductor mm <sup>2</sup>	Diameter over Inner Sheath mm	Overall Diameter mm
ECKJ-0140	1-4	0.6 - 2 x 1.0	9-15	15-23
ECKJ-0141	5-7	0.6 - 2 x 1.0	10-18	15-26
ECKJ-0142	8-19	0.6 - 2 x 1.0	18-26	24-35
ECKJ-0143	20-37	0.6 - 2 x 1.0	23-26	30-45
ECKJ-0144	38-61	0.6 - 2 x 1.0	32-44	39-55

## Straight Heat Shrink Joint - Armoured Cables

### FEATURES

- Designed to connect inline LV armoured cables within a heat shrink joint
- Ideal for vertical installations in indoor and outdoor environment
- Excellent electrical insulation and mechanical strength from protective liner
- Simple and fast installation - no curing time
- Immediate backfill
- 1000V Rated
- Tested to BS EN 50393
- Temperature Rating -50°C to +50°C



**Straight heat shrink joints for LV armoured cables**

Part number	Maximum cable size
<b>AR101</b>	1.5-4mm <sup>2</sup> 4 core
<b>AR102</b>	6-16mm <sup>2</sup> 4 Core
<b>AR3</b>	25-50mm <sup>2</sup> 4 Core

Part number	Maximum cable size
<b>AR4</b>	70-150mm <sup>2</sup> 4 Core
<b>AR5</b>	185-300mm <sup>2</sup> 4 Core

## LUL Approved Straight Heat Shrink Joint - Armoured Cables

### FEATURES

- Designed to connect inline LV armoured cables within a heat shrink joint
- Ideal for vertical installations in indoor and outdoor environment
- Excellent electrical insulation and mechanical strength from protective liner
- Simple and fast installation - no curing time
- Immediate backfill
- Low Smoke Zero Halogen
- 1000V Rated
- Tested to BS EN 50393
- London Underground approved
- Temperature Rating -50°C to +50°C



**Straight heat shrink joints for LV armoured cables**

Part number	Maximum cable size
<b>SMOE82051</b>	185-300mm <sup>2</sup>
<b>SMOE82244</b>	13 PAIR 1.5mm <sup>2</sup>

Part number	Maximum cable size
<b>SMOE82231</b>	37 PAIR 1.5mm <sup>2</sup>

## Straight Cold Shrink Joint Kit

### FEATURES

- Designed to connect inline LV armoured and unarmoured cables within a cold applied joint
- Low temperature installation - no heat required
- Faster installation time with pullout
- Improved rubber formulation withstands rough backfilling
- Waterproof seal
- 1000V Rated
- Tested to BS EN 50393



**Straight cold shrink joints for LV armoured and unarmoured cables**

Part number	Max Cable Diameter	Diameter over Armour
<b>LC1</b>	16.2 - 33.1mm	9 - 15mm
<b>LC2</b>	16.2 - 33.1mm	14 - 22mm
<b>LC3</b>	16.2 - 33.1mm	18.5 - 29mm

Part number	Max Cable Diameter	Diameter over Armour
<b>LC4</b>	24.9 - 56.4mm	23.5 - 37mm
<b>LC5</b>	37.8 - 84.3mm	31 - 50mm
<b>LC6</b>	37.8 - 84.3mm	44 - 70mm

## Expertise | Across the board



**For almost 30 years, Jointing Tech have been leaders in the cable accessories market, providing the technical support you need.**

If you want advice, recommendations or information on the correct products for your individual project needs, Jointing Tech have a knowledgeable team on hand to support you every step of the way.

Whether it be current legislation, DNO approvals, quality standard issues or stock availability call us today!

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# Jointing Tech

## Jointing Tech Branches:

### Woking

Unit 19  
Woking Business Park  
Albert Drive  
Woking  
GU21 5JY

Tel: 01483 747747

### Bristol

The Alpha Centre  
Armstrong Way  
Great Western Business Park  
Yate  
Bristol  
BS37 5NG

Tel: 01454 322555

### Norton Canes

Unit 15-16  
Bellsize Close  
Norton Canes  
Staffordshire  
WS11 9TQ

Tel: 01543 450555

## Quality and Industry Accreditation



## Jointing Tech Group:

### Langley Engineering Ltd

16 The Markham Centre  
Theale  
Reading  
Berkshire  
RG7 4PE

Tel: 0118 930 5990

### Jointing Tech – Trace Heating Department

Unit 4 Eversley Way  
Thorpe Industrial Estate  
Egham  
Surrey  
TW20 8RG

Tel: 01784 279005

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