



Speed
Safety
Reliability

3M™ Scotchcast™
LV Joints Selection Guide



3M™ Scotchcast™

Power Cable Joint Ranges

Economy Range

Armoured Cable 0.6 - 1kV PVC/XLPE SWA					Un-Armoured 0.6 - 1kV PVC/XLPE				
Cable Cross Section (mm ²)	1 Core	2 Cores	3 Cores	4 Cores	Cable Cross Section (mm ²)	1 Core	2 Cores	3 Cores	4 Cores
1.5	N/A	LVI-0/1	LVI-0/1	LVI-0/1	1.5	N/A	90-NA1	90-NA1	90-NA1
2.5	N/A	LVI-0/1	LVI-0/1	LVI-0/1	2.5	N/A	90-NA1	90-NA1	90-NA1
4	N/A	LVI-0/1	LVI-0/1	LVI-0/2	4	N/A	90-NA1	90-NA1	90-NA2
6	N/A	LVI-0/2	LVI-0/2	LVI-0/2	6	N/A	90-NA2	90-NA2	90-NA2
10	N/A	LVI-0/2	LVI-0/2	LVI-0/2	10	N/A	90-NA2	90-NA2	90-NA2
16	N/A	LVI-0/2	LVI-0/3	LVI-0/3	16	90-NA2	90-NA2	90-NA3	90-NA3
25	N/A	LVI-0/2	LVI-0/3	LVI-0/4	25	90-NA2	90-NA2	90-NA3	90-NA4
35	N/A	LVI-0/3	LVI-0/4	LVI-0/4	35	90-NA2	90-NA3	90-NA4	90-NA4
50	LVI-0/2	LVI-0/3	LVI-0/4	LVI-0/4	50	90-NA2	90-NA3	90-NA4	90-NA4
70	LVI-0/2	LVI-0/4	N/A	N/A	70	90-NA2	90-NA4	N/A	N/A
95	LVI-0/2	LVI-0/4	N/A	N/A	95	90-NA2	90-NA4	N/A	N/A
120	LVI-0/3	N/A	N/A	N/A	120	90-NA3	N/A	N/A	N/A
150	LVI-0/3	N/A	N/A	N/A	150	90-NA3	N/A	N/A	N/A
185	LVI-0/3	N/A	N/A	N/A	185	90-NA3	N/A	N/A	N/A
240	LVI-0/4	N/A	N/A	N/A	240	90-NA4	N/A	N/A	N/A
300	LVI-0/4	N/A	N/A	N/A	300	90-NA4	N/A	N/A	N/A
400	LVI-0/4	N/A	N/A	N/A	400	90-NA4	N/A	N/A	N/A
500	N/A	N/A	N/A	N/A	500	N/A	N/A	N/A	N/A
630	N/A	N/A	N/A	N/A	630	N/A	N/A	N/A	N/A
800	N/A	N/A	N/A	N/A	800	N/A	N/A	N/A	N/A
1000	N/A	N/A	N/A	N/A	1000	N/A	N/A	N/A	N/A

For larger joint sizes, please select from the Standard Range

Standard Range

Armoured Cable					Un-Armoured Cable				
Cable Cross Section (mm ²)	1 Core	2 Cores	3 Cores	4 Cores	Cable Cross Section (mm ²)	1 Core	2 Cores	3 Cores	4 Cores
1.5	N/A	LVI-1/2-C	LVI-1/2-C	LVI-1/2-C	1.5	91-NBA0	91-NBA0	91-NBA0	91-NBA0
2.5	N/A	LVI-1/2-C	LVI-1/2-C	LVI-1/2-C	2.5	91-NBA0	91-NBA0	91-NBA0	91-NBA0
4	N/A	LVI-1/2-C	LVI-1/2-C	LVI-1/2-C	4	91-NBA0	91-NBA0	91-NBA0	91-NBA0
6	N/A	LVI-1/2-C	LVI-1/2-C	LVI-1/2-C	6	91-NBA0	91-NBA0	91-NBA0	91-NBA1
10	N/A	LVI-1/3-C	LVI-1/3-C	LVI-1/3-C	10	91-NBA0	91-NBA1	91-NBA1	91-NBA1
16	N/A	LVI-1/3-C	LVI-1/4	LVI-1/4	16	91-NBA0	91-NBA1	91-NBA1	91-NBA3
25	N/A	LVI-1/3-C	LVI-1/4	LVI-1/4	25	91-NBA0	91-NBA3	91-NBA3	91-NBA3
35	N/A	LVI-1/4	LVI-1/5	LVI-1/5	35	91-NBA0	91-NBA3	91-NBA3	91-NBA3
50	LVI-1/3	LVI-1/5	LVI-1/5	LVI-1/5	50	91-NBA0	N/A	91-NBA3	91-NBA4
70	LVI-1/3	LVI-1/5	LVI-1/6	LVI-1/6	70	91-NBA1	N/A	91-NBA4	91-NBA5
95	LVI-1/4	LVI-1/6	LVI-1/6	LVI-1/7	95	91-NBA1	N/A	91-NBA5	91-NBA5
120	LVI-1/4	LVI-1/6	LVI-1/7	LVI-1/7	120	91-NBA1	N/A	91-NBA5	91-NBA6
150	LVI-1/4	LVI-1/6	LVI-1/7	LVI-1/7	150	91-NBA3	N/A	91-NBA6	91-NBA6
185	LVI-1/5	LVI-1/7	LVI-1/7	LVI-1/8	185	91-NBA3	N/A	91-NBA7	91-NBA7
240	LVI-1/5	LVI-1/7	LVI-1/8	LVI-1/8	240	91-NBA3	N/A	91-NBA7	91-NBA7
300	LVI-1/6	LVI-1/8	LVI-1/8	LVI-1/8	300	91-NBA4	N/A	N/A	N/A
400	LVI-1/6	LVI-1/8	LVI-1/8	N/A	400	91-NBA4	N/A	N/A	N/A
500	LVI-1/7	N/A	N/A	N/A	500	91-NBA5	N/A	N/A	N/A
630	LVI-1/7	N/A	N/A	N/A	630	91-NBA5	N/A	N/A	N/A
800	LVI-1/7	N/A	N/A	N/A	800	N/A	N/A	N/A	N/A
1000	LVI-1/7	N/A	N/A	N/A	1000	N/A	N/A	N/A	N/A

No connectors included

Connectors included

Coming soon. please request more details

Premium Range

Armoured Cable					Un-Armoured Cable				
Cable Cross Section (mm ²)	1 Core	2 Cores	3 Cores	4 Cores	Cable Cross Section (mm ²)	1 Core	2 Cores	3 Cores	4 Cores
1.5	N/A	LVI-2/2-C	LVI-2/2-C	LVI-2/2-C	1.5	92-NBA0	92-NBA0	92-NBA0	92-NBA0
2.5	N/A	LVI-2/2-C	LVI-2/2-C	LVI-2/2-C	2.5	92-NBA0	92-NBA0	92-NBA0	92-NBA0
4	N/A	LVI-2/2-C	LVI-2/2-C	LVI-2/2-C	4	92-NBA0	92-NBA0	92-NBA0	92-NBA0
6	N/A	LVI-2/2-C	LVI-2/2-C	LVI-2/2-C	6	92-NBA0	92-NBA0	92-NBA0	92-NBA1
10	N/A	LVI-2/3-C	LVI-2/3-C	LVI-2/3-C	10	92-NBA0	92-NBA1	92-NBA1	92-NBA1
16	N/A	LVI-2/3-C	LVI-2/4	LVI-2/4	16	92-NBA0	92-NBA1	92-NBA1	92-NBA3
25	N/A	LVI-2/3-C	LVI-2/4	LVI-2/4	25	92-NBA0	92-NBA3	92-NBA3	92-NBA3
35	N/A	LVI-2/4	LVI-2/5	LVI-2/5	35	92-NBA0	92-NBA3	92-NBA3	92-NBA3
50	LVI-2/3	LVI-2/5	LVI-2/5	LVI-2/5	50	92-NBA0	N/A	92-NBA3	92-NBA4
70	LVI-2/3	LVI-2/5	LVI-2/6	LVI-2/6	70	92-NBA1	N/A	92-NBA4	92-NBA5
95	LVI-2/4	LVI-2/6	LVI-2/6	LVI-2/7	95	92-NBA1	N/A	92-NBA5	92-NBA5
120	LVI-2/4	LVI-2/6	LVI-2/7	LVI-2/7	120	92-NBA1	N/A	92-NBA5	92-NBA6
150	LVI-2/4	LVI-2/6	LVI-2/7	LVI-2/7	150	92-NBA3	N/A	92-NBA6	92-NBA6
185	LVI-2/5	LVI-2/7	LVI-2/7	LVI-2/8	185	92-NBA3	N/A	92-NBA7	92-NBA7
240	LVI-2/5	LVI-2/7	LVI-2/8	LVI-2/8	240	92-NBA3	N/A	92-NBA7	92-NBA7
300	LVI-2/6	LVI-2/8	LVI-2/8	LVI-2/8	300	92-NBA4	N/A	N/A	N/A
400	LVI-2/6	LVI-2/8	LVI-2/8	N/A	400	92-NBA4	N/A	N/A	N/A
500	LVI-2/7	N/A	N/A	N/A	500	92-NBA5	N/A	N/A	N/A
630	LVI-2/7	N/A	N/A	N/A	630	92-NBA5	N/A	N/A	N/A
800	LVI-2/7	N/A	N/A	N/A	800	N/A	N/A	N/A	N/A
1000	LVI-2/7	N/A	N/A	N/A	1000	N/A	N/A	N/A	N/A

Hydro-Carbon Resistant Range

Armoured Cable					Un-Armoured Cable				
Cable Cross Section (mm ²)	1 Core	2 Cores	3 Cores	4 Cores	Cable Cross Section (mm ²)	1 Core	2 Cores	3 Cores	4 Cores
1.5	N/A	LVI-3/2-C	LVI-3/2-C	LVI-3/2-C	1.5	N/A	92-NA-1U	92-NA-1U	92-NA-1U
2.5	N/A	LVI-3/2-C	LVI-3/2-C	LVI-3/2-C	2.5	N/A	92-NA-1U	92-NA-1U	92-NA-1U
4	N/A	LVI-3/2-C	LVI-3/2-C	LVI-3/2-C	4	N/A	92-NA-1U	92-NA-1U	92-NA-1U
6	N/A	LVI-3/2-C	LVI-3/2-C	LVI-3/2-C	6	N/A	92-NA-1U	92-NA-1U	92-NA-1U
10	N/A	LVI-3/3-C	LVI-3/3-C	LVI-3/3-C	10	N/A	92-NA-1U	92-NA-1U	92-NA-1U
16	N/A	LVI-3/3-C	LVI-3/3-C	LVI-3/3-C	16	92-NA-2U	92-NA-2U	92-NA-2U	92-NA-2U
25	N/A	LVI-3/3-C	LVI-3/4	LVI-3/4	25	92-NA-2U	92-NA-2U	92-NA-2U	92-NA-2U
35	N/A	LVI-3/4	LVI-3/4	LVI-3/4	35	92-NA-2U	92-NA-3U	92-NA-3U	92-NA-3U
50	LVI-3/2	LVI-3/4	LVI-3/4	LVI-3/5	50	92-NA-2U	92-NA-4U	92-NA-4U	92-NA-4U
70	LVI-3/3	LVI-3/4	LVI-3/5	LVI-3/5	70	92-NA-2U	92-NA-4U	92-NA-4U	92-NA-4U
95	LVI-3/3	LVI-3/5	LVI-3/5	LVI-3/6	95	92-NA-2U	92-NA-5U	92-NA-5U	92-NBA5-U
120	LVI-3/4	LVI-3/5	LVI-3/6	LVI-3/6	120	92-NA-3U	92-NA	92-NA-5U	92-NBA6-U
150	LVI-3/4	LVI-3/6	LVI-3/7	LVI-3/7	150	92-NA-3U	92-NA-6U	92-NA-6U	92-NA-5U
185	LVI-3/4	LVI-3/6	LVI-3/7	LVI-3/7	185	92-NA-3U	92-NA-6U	92-NA-6U	92-NA-6U
240	LVI-3/5	LVI-3/7	LVI-3/7	LVI-3/8	240	92-NA-4U	92-NA-6U	92-NA-6U	92-NA-6U
300	LVI-3/5	LVI-3/7	LVI-3/7	LVI-3/8	300	92-NA-4U	N/A	N/A	N/A
400	LVI-3/5	LVI-3/7	LVI-3/8	LVI-3/8	400	92-NA-4U	N/A	N/A	N/A
500	LVI-3/5	N/A	N/A	N/A	500	N/A	N/A	N/A	N/A
630	LVI-3/6	N/A	N/A	N/A	630	N/A	N/A	N/A	N/A
800	LVI-3/6	N/A	N/A	N/A	800	N/A	N/A	N/A	N/A
1000	LVI-3/7	N/A	N/A	N/A	1000	N/A	N/A	N/A	N/A

No connectors included

Connectors included

Product coming soon, call for more details

Pilot & Telecom Cable Joint Ranges

Telecom Cable Joints

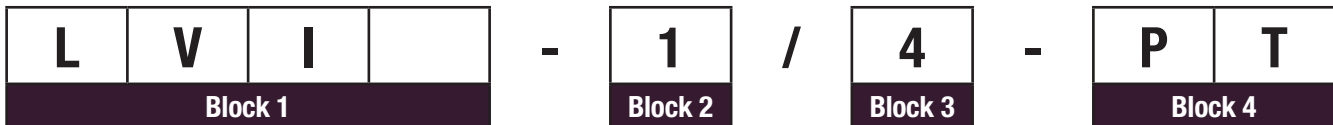
Standard Range				Hazardous Area Range	
# Pairs	0.9mm ² Multipair PVC/ Armoured Cables	# Pairs	0.9mm ² Multipair PE/ Armoured Cables	# Pairs	Armoured/Unarmoured Cable 0.6 - 1kV 0.5mm ² solid, 0.5mm ² flexible, 1.0mm ² solid, 1.5mm ² stranded (SWA)
2	LVI-1/2-PT	4	LVI-1/3-PT	1 - 2	LVI-3/2-IC
5 - 15	LVI-1/3-PT	7	LVI-1/3-PT	5	LVI-3/3-IC
20 - 30	LVI-1/4-PT	19	LVI-1/4-PT	10	LVI-3/4-IC
40 - 50	LVI-1/5-PT	37	LVI-1/5-PT	15 - 20	LVI-3/5-IC
60 - 100	LVI-1/6-PT	61	LVI-1/6-PT	30 - 50	LVI-3/6-IC

Pilot Cable Joints

Standard Range		Hazardous Area Range	
# Cores	Armoured/Unarmoured Cable 0.6 - 1kV 1.5 - 2.5mm ² Multicore PVC (SWA)	# Cores	Armoured/Unarmoured Cable 0.6 - 1kV 1.5 - 2.5mm ² Multicore PVC (SWA)
2 - 4	LVI-1/3-PT	2 - 6	LVI-3/2-IC
7 - 19	LVI-1/4-PT	7 - 12	LVI-3/3-IC
27 - 37	LVI-1/5-PT	14 - 21	LVI-3/4-IC
		24 - 37	LVI-3/5-IC

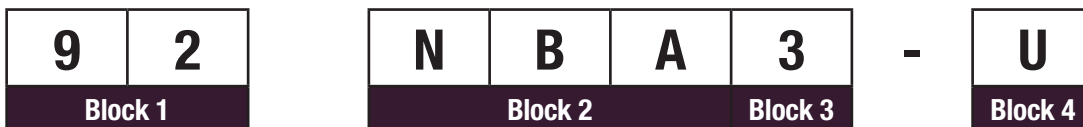
Guide to Product Part Numbers

Resin Kits - Armoured



Block 1	Kit Type	Block 2	Kit Range	Block 3	Kit Size	Block 4	Application Details (OPTIONAL)
LVI	Inline - Armoured	New Mould and Resin Bag Design		e.g. 4	Mould Shell Size '4'	PT	Pilot / Telecom
		2	Premium			C	Connector Included
		1	Standard			IC	Instrumentation/Control
		Standard 'Torpedo' Design					
		0	Economy				
		3	Hydro-Carbon Resistant				

Resin Kits - Un-armoured



Block 1	Kit Type	Block 2	Kit Range	Block 3	Kit Size	Block 4	Application Details (OPTIONAL)
92	Premium	NBA	New Mould and Resin Bag Design	e.g. 3	Mould Shell Size '3'	U	Hydro-Carbon Resistant
91	Standard	NA	Standard 'Torpedo' Design				
90	Economy						

NB: For standard power cable applications 'Block 4' will not be used.

For more information on 3M™ Electrical Products
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Quote Ref: LVSG

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