

Pilot & Telecom Cable Joint Ranges

Telecom Cable Joints

Standard Range				Hazardous Area Range	
# Pairs	0.9mm² Multipair PVC/ Armoured Cables		# Pairs	0.9mm² Multipair PE/ Armoured Cables	# Pairs Armoured/Unarmoured Cable 0.6 - 1kV 0.5mm² solid, 0.5mm² flexible, 1.0mm² solid, 1.5mm² stranded (SWA)
2	LVI-1/2-PT		4	LVI-1/3-PT	1 - 2 LVI-3/3-IC
5 - 15	LVI-1/3-PT		7	LVI-1/3-PT	5 LVI-3/4-IC
20 - 30	LVI-1/4-PT		19	LVI-1/4-PT	10 LVI-3/5-IC
40 - 50	LVI-1/5-PT		37	LVI-1/5-PT	15 - 20 LVI-3/6-IC
60 - 100	LVI-1/6-PT		61	LVI-1/6-PT	30 - 50 LVI-3/7-IC

Pilot Cable Joints

Standard Range		Hazardous Area Range	
# Cores	Armoured/Unarmoured Cable 0.6 - 1kV 1.5 - 2.5mm² Multicore PVC (SWA)	# Cores	Armoured/Unarmoured Cable 0.6 - 1kV 1.5 - 2.5mm² Multicore PVC (SWA)
2 - 4	LVI-1/3-PT	2 - 6	LVI-3/3-IC
7 - 19	LVI-1/4-PT	7 - 12	LVI-3/4-IC
27 - 37	LVI-1/5-PT	14 - 21	LVI-3/5-IC
		24 - 37	LVI-3/6-IC

Guide to Product Part Numbers

Resin Kits - Armoured

L	V	I		-	1	/	4	-	P	T
Block 1					Block 2		Block 3		Block 4	

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	
		3	Hydro-Carbon Resistant			IC	Instrumentation / Control	
		2	Premium			C	Connector Included	
		1	Standard					
		Standard 'Torpedo' Design						
		0	Economy					

Resin Kits - Un-armoured

9	2		N	B	A	3	-	U
Block 1			Block 2			Block 3		Block 4
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	A	Standard 'Torpedo' Design					
90	Economy							

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



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3M Electrical Markets Division
3M™ Scotchcast™ LV Joints Selection Guide



3M™ Scotchcast™
LV Joints Selection Guide





Economy Range

Armoured Cable 0.6 - 1kV PVC/XLPE SWA					Un-Armoured 0.6 - 1kV PVC/XLPE					
Cable Cross Section (mm²)	1 Core	2 Cores	3 Cores	4 Cores		Cable Cross Section (mm²)	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-A1	90-A1	90-NA1
2.5	N/A	LVI-0/1	LVI-0/1	LVI-0/1		2.5	N/A	90-A1	90-A1	90-NA1
4	N/A	LVI-0/1	LVI-0/1	LVI-0/2		4	N/A	90-A1	90-A1	90-NA2
6	N/A	LVI-0/2	LVI-0/2	LVI-0/2		6	N/A	90-A2	90-A2	90-NA2
10	N/A	LVI-0/2	LVI-0/2	LVI-0/2		10	N/A	90-A2	90-A2	90-NA2
16	N/A	LVI-0/2	LVI-0/3	LVI-0/3		16	90-A2	90-A2	90-A3	90-NA3
25	N/A	LVI-0/2	LVI-0/3	LVI-0/4		25	90-A2	90-A2	90-A3	90-NA4
35	N/A	LVI-0/3	LVI-0/4	LVI-0/4		35	90-A2	90-A3	90-A4	90-NA4
50	LVI-0/2	LVI-0/3	LVI-0/4	LVI-0/4		50	90-A2	90-A3	90-A4	90-NA4
70	LVI-0/2	LVI-0/4	N/A	N/A		70	90-A2	90-A4	N/A	N/A
95	LVI-0/2	LVI-0/4	N/A	N/A		95	90-A2	90-A4	N/A	N/A
120	LVI-0/3	N/A	N/A	N/A		120	90-A3	N/A	N/A	N/A
150	LVI-0/3	N/A	N/A	N/A		150	90-A3	N/A	N/A	N/A
185	LVI-0/3	N/A	N/A	N/A		185	90-A3	N/A	N/A	N/A
240	LVI-0/4	N/A	N/A	N/A		240	90-A4	N/A	N/A	N/A
300	LVI-0/4	N/A	N/A	N/A		300	90-A4	N/A	N/A	N/A
400	LVI-0/4	N/A	N/A	N/A	400	90-A4	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	

Premium Range

Armoured Cable					Un-Armoured Cable				
Cable Cross Section (mm²)	1 Core	2 Cores	3 Cores	4 Cores	Cable Cross Section (mm²)	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

Standard Range

Armoured Cable					Un-Armoured Cable					
Cable Cross Section (mm²)	1 Core	2 Cores	3 Cores	4 Cores		Cable Cross Section (mm²)	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

Hydro-Carbon Resistant Range

Armoured Cable						Un-Armoured Cable				
Cable Cross Section (mm²)	1 Core	2 Cores	3 Cores	4 Cores		Cable Cross Section (mm²)	1 Core	2 Cores	3 Cores	4 Cores
1.5	N/A	LVI-3/3-C	LVI-3/3-C	LVI-3/3-C		1.5	92-NBA0-U	92-NBA0-U	92-NBA0-U	92-NBA0-U
2.5	N/A	LVI-3/3-C	LVI-3/3-C	LVI-3/3-C		2.5	92-NBA0-U	92-NBA0-U	92-NBA0-U	92-NBA0-U
4	N/A	LVI-3/3-C	LVI-3/3-C	LVI-3/3-C		4	92-NBA0-U	92-NBA0-U	92-NBA0-U	92-NBA0-U
6	N/A	LVI-3/3-C	LVI-3/4-C	LVI-3/4-C		6	92-NBA0-U	92-NBA0-U	92-NBA0-U	92-NBA1-U
10	N/A	LVI-3/4-C	LVI-3/5	LVI-3/5		10	92-NBA0-U	92-NBA1-U	92-NBA1-U	92-NBA1-U
16	N/A	LVI-3/4-C	LVI-3/5	LVI-3/5		16	92-NBA0-U	92-NBA1-U	92-NBA1-U	92-NBA3-U
25	N/A	LVI-3/5	LVI-3/6	LVI-3/6		25	92-NBA0-U	92-NBA3-U	92-NBA3-U	92-NBA3-U
35	N/A	LVI-3/5	LVI-3/6	LVI-3/6		35	92-NBA0-U	92-NBA3-U	92-NBA3-U	92-NBA3-U
50	LVI-3/4	LVI-3/5	LVI-3/6	LVI-3/6		50	92-NBA0-U	N/A	92-NBA3-U	92-NBA4-U
70	LVI-3/4	LVI-3/6	LVI-3/6	LVI-3/7		70	92-NBA1-U	N/A	92-NBA4-U	92-NBA5-U
95	LVI-3/4	LVI-3/6	LVI-3/7	LVI-3/7		95	92-NBA1-U	N/A	92-NBA5-U	92-NBA5-U
120	LVI-3/5	LVI-3/7	LVI-3/8	LVI-3/8		120	92-NBA1-U	N/A	92-NBA5-U	92-NBA6-U
150	LVI-3/5	LVI-3/8	LVI-3/8	LVI-3/8		150	92-NBA3-U	N/A	92-NBA6-U	92-NBA6-U
185	LVI-3/5	LVI-3/8	LVI-3/8	LVI-3/8		185	92-NBA3-U	N/A	92-NBA7-U	92-NBA7-U
240	LVI-3/6	LVI-3/8	LVI-3/8	LVI-3/8		240	92-NBA3-U	N/A	92-NBA7-U	92-NBA7-U
300	LVI-3/6	LVI-3/8	LVI-3/8	N/A		300	92-NBA4-U	N/A	N/A	N/A
400	LVI-3/6	LVI-3/8	N/A	N/A		400	92-NBA4-U	N/A	N/A	N/A
500	LVI-3/7	N/A	N/A	N/A		500	92-NBA5-U	N/A	N/A	N/A
630	LVI-3/7	N/A	N/A	N/A		630	92-NBA5-U	N/A	N/A	N/A
800	LVI-3/7	N/A	N/A	N/A		800	N/A	N/A	N/A	N/A
1000	LVI-3/8	N/A	N/A	N/A		1000	N/A	N/A	N/A	N/A