



3M™ Inline Joints for Hazardous Area Armoured Power Cables – Scotchcast™ LR Series Joints

In-line joints for Armoured PVC & XLPE Power cables - 0.6/1kV and up to 3.3kV - Hydro-Carbon Resistant/Flame Retardant Resin Encapsulated - For use in Petrochem Zones 1 & 2

Also suitable for Lead sheathed cables, and Transition Joints.

Includes Scotchcast™ 1400U Resin that makes it suitable for areas where there is danger of gas, oil, sewage or chemical spillage.

NOMINAL CONDUCTOR AREA (mm²)	SINGLE CORE 0.6/1KV	2 CORE 0.6/1KV	3 CORE 0.6/1KV	4 CORE 0.6/1KV
1.5	N/A	LR20	LR20	LR20
2.5	N/A	LR20	LR20	LR20
4	N/A	LR20	LR20	LR21
6	N/A	LR21	LR21	LR21
10	N/A	LR31	LR31	LR31
16	N/A	LR31	LR31	LR32
25	N/A	LR32	LR40	LR40
35	N/A	LR40	LR41	LR42
50	LR21	LR41	LR41	LR50
70	LR30	LR50	LR50	LR51
95	LR30	LR50	LR51	LR60
120	LR40	LR51	LR61	LR61
150	LR41	LR60	LR70	LR70
185	LR41	LR61	LR70	LR71
240	LR50	LR70	LR71	LR80
300	LR50	LR71	LR71	LR80
400	LR51	LR72	LR80	LR81
500	LR51	N/A	N/A	N/A
630	LR61	N/A	N/A	N/A
800	LR62	N/A	N/A	N/A
1000	LR72	N/A	N/A	N/A

SINGLE CORE 1.9/3.3KV	3 CORE 1.9/3.3KV
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	LR42
N/A	LR42
N/A	LR43
LR32	LR51
LR32	LR52
LR32	LR61
LR42	LR61
LR42	LR61
LR42	LR71
LR50	LR72
LR52	LR80
LR52	LR80
LR53	N/A
LR61	N/A
LR62	N/A
LR72	N/A

Kit Ref	TO SUIT CABLE DIAMETER		TO SUIT DIAMETER OVER LEAD SHEATH		TO SUIT DIAMETER OVER ARMOUR	
	MIN (mm)	MAX (mm)	MIN(mm)	MAX (mm)	MIN (mm)	MAX (mm)
LR20	14	32	9	15	9	15
LR21	14	32	9	15	14	22
LR30	23	37	9	15	14	22
LR31	23	37	14	22	14	22
LR32	23	37	14	22	18.5	29
LR40	28	51	14	22	18.5	29
LR41	28	51	18.5	29	18.5	29
LR42	28	51	18.5	29	23.5	37
LR43	28	51	23.5	37	23.5	37
LR50	33	60	18.5	29	23.5	37
LR51	33	60	23.5	37	23.5	37
LR52	33	60	23.5	37	31	50
LR53	33	60	31	50	31	50
LR60	48	80	23.5	37	31	50
LR61	48	80	31	50	31	50
LR62	48	80	31	50	44	70
LR70	45	90	31	50	31	50
LR71	45	90	31	50	44	70
LR72	45	90	44	70	44	70
LR80	45	100	44	70	44	70
LR81	45	100	44	70	58	94

Note: If this kit is to be used for a transition joint, Water-blocked connectors must be used