



## 3M™ In-Line Joints for Hazardous Area Un-armoured Power Cables - Scotchcast™ 92-U Series Joints

In-Line Joint for Un-Armoured PVC & XLPE Insulated Cables - 0.6/1kv Hydro-carbon resistant / Flame retardant Resin Encapsulated - for use in Petrochem Zones 1 & 2

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

Hazard Area Joint & Termination Kits

NOMINAL CONDUCTOR AREA (mm <sup>2</sup> )	NBR OF CORES	KIT REF	CABLE DIAMETER	
			Min (mm)	Max (mm)
1.5	2	92-A1U	8	26
	3	92-A1U		
	4	92-A1U		
2.5	2	92-A1U	8	26
	3	92-A1U		
	4	92-A1U		
4	2	92-A1U	8	26
	3	92-A1U		
	4	92-A2U		
6	2	92-A2U	14	32
	3	92-A2U		
	4	92-A2U		
10	2	92-A2U	14	32
	3	92-A2U		
	4	92-A2U		
16	1	92-A2U	14	32
	2	92-A2U		
	3	92-A3U		
	4	92-A3U		
25	1	92-A2U	14	32
	2	92-A2U		
	3	92-A3U		
	4	92-A4U		
35	1	92-A2U	23	37
	2	92-A3U		
	3	92-A4U		
	4	92-A4U		
50	1	92-A2U	14	32
	2	92-A3U		
	3	92-A4U		
	4	92-A4U		

NOMINAL CONDUCTOR AREA (mm <sup>2</sup> )	NBR OF CORES	KIT REF	CABLE DIAMETER	
			Min (mm)	Max (mm)
70	1	92-A2U	14	32
	2	92-A4U		
	3	92-A5U		
	4	92-A5U		
95	1	92-A2U	14	32
	2	92-A4U		
	3	92-A5U		
	4	92-A5U		
120	1	92-A3U	23	37
	2	92-A5U		
	3	92-A5U		
	4	92-A5U		
150	1	92-A3U	23	37
	2	92-A5U		
	3	92-A6U		
	4	92-A6U		
185	1	92-A3U	23	37
	2	92-A5U		
	3	92-A6U		
	4	92-A6U		
240	1	92-A4U	28	51
	2	92-A6U		
	3	92-A6U		
	4	92-A7U		
300	1	92-A4U	28	51
	2	92-A6U		
	3	92-A7U		
	4	92-A7U		
400	1	92-A4U	28	51
	2	92-A7U		
	3	92-A7U		
500	1	92-A5U	33	60
630	1	92-A5U	33	60
800	1	92-A6U	48	80
1000	1	92-A6U	48	80

Note: These kits do not include armour continuity

No. of Cores	KIT REF	CABLE SIZE	
		min	max
2 to 6	CR2	14	32
7 to 12	CR3	23	37
14 to 21	CR4	28	51
24 to 37	CR5	33	60

## 3M™ LV Inline Joints for Hazardous Area Control Cables - Scotchcast™ CR Series

In-line joints for 0.6/1kV XLPE & PVC Insulated, Lead sheathed Control cables - Hydro-Carbon Resistant/Flame Retardant Resin Encapsulated - For use in Petrochem Zones 1 & 2

For Conductor Sizes: 1.5mm<sup>2</sup> and 2.5mm<sup>2</sup>

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

No. of Cores	KIT REF	CABLE SIZE	
		min	max
1	IR20	14	32
2	IR21	14	32
5	IR30	23	37
10	IR40	28	51
15	IR50	33	60
20	IR51	33	60
30	IR60	48	80
50	IR61	48	80

### 3M™ LV Inline Joints for Hazardous Area Instrumentation Cables – Scotchcast™ IR Series

In-line joints for 0.6/1kV Polyethylene Insulated, Lead sheathed, Armoured Instrumentation cables - Hydro-Carbon Resistant/Flame Retardant Resin Encapsulated -For use in Petrochem Zones 1 & 2.

For Conductor Sizes: 0.5mm<sup>2</sup> solid, 0.5mm<sup>2</sup> Flexible, 1.0mm<sup>2</sup> solid, or 1.5mm<sup>2</sup> stranded conductors

Suitable for cables with either unscreened pairs, individually screened pairs, collectively screened pairs, or individually and collectively screened pairs.

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



### 3M™ In-Line Joints for Mines & Quarries - Power, and Signal & Telephone Cables

In Line Joints for Power unscreened cables rated up to & including 3.3kV, and Signal & Telephone Cables

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

Simple combined earth screen and armour continuity system, Fire resistant, Moisture proof, Approved by UK Coal.

Nominal Conductor Area mm <sup>2</sup>			1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185
0.6/1KV Unscreened NCB SPEC. 295	2 CORE	SWA	L1	L1	L1	L2	L2	L2								
	3	SWA	L1	L1	L2	L2	L2	L3	L3	L4	L4	L5	L5	L6	L6	
	3 CORE	DWA	L2	L2	L3	L3	L4									
	4	SWA	L1	L1	L2	L2	L2	L3	L4	L4	L5	L5	L5	L6	L6	
3.3KV Unscreened NCB SPEC. 295	CORE	DWA	L2	L3	L3	L4	L4									
	3	SWA									L5	L5	L5	L6	L6	L6
	CORE	DWA									L5	L5	L5	L6	L6	L6

Number of pairs		1	2	4	7	10	12	19	27	30	37	46	61	91
Telephone Cables	SWA	T1	T1	T2	T2	T3	T3	T4	T5	T5	T5	T5	T5	T6
NCB SPEC. 492	DWA	T2	T2	T2	T3	T3	T3	T4	T5	T5	T5	T5	T5	T6

Number of pairs		2	4	7	10	12	19	37	46	61	91
Signalling Cables	SWA	T1	T1	T2	T2	T2	T3	T4	T5	T5	
NCB SPEC. 493	DWA	T2	T2	T2	T2	T2	T3	T3	T4	T5	T5

Part Number	Application Range CSA
92-AV612-3	70 – 185 mm <sup>2</sup>
92-AV622-3	150 – 240mm <sup>2</sup>
92-AV642-3	300 – 400 mm <sup>2</sup>

### 3M™ QS1000 Inline Joints for Mines & Quarries – 3 Core Screened Power Cables rated 6.6/11kV

Cold Shrink One piece silicone splice body, encapsulated using Scotchcast™ 1400U Resin that makes it suitable for areas where there is danger of gas, oil, sewage or chemical spillage.

Fire resistant, Moisture proof, Approved by UK Coal