

LOW VOLTAGE STRAIGHT RESIN JOINT KITS

Straight cast resin cable joints are suitable for plastic and paper insulated LV cables. These joints are suitable for use in multiple applications (i.e. power, telecoms, signalisation). The range is available complete with armour earth kit.

Joint Data	
Type Tested	DIN EN 50393:2006-11
Temperature Range	-10°C to +120°C
Voltage	600/1000 volts
Armour Earth Kit	Insulated Braid and CF Springs

The P2654 Polyurethane Resin is a high quality product, tested to >20kV/mm, with a performance temperature range of -25°C to +120°C. The P2654 has a Gel Time of 14 minutes, and a shelf life of 24 months from date of manufacture.

Resin Data	
Resin Type	Polyurethane
Resin Type Test	IEC 60455-3-8:2013
Resin Hardness	Shore D (41) EN ISO 868
Diaelectric Strength	20kV/mm
Colour	Black
Mixing Time	2 Minutes
Tensile Strength	MPa 7.07 EN ISO 527
Elongation at break	40% EN ISO 527

Note: Splice/Mechanical Connectors are not included but are available for supply separately.

SPECIFICATION DATA

Batt Part No	Joint Reference	Minimum Cable OD	Maximum Cable OD	Shell Dimensions	Shell Type
90420	CM0	â€¢â€¢5	â€¢â€¢20	200mm x â€¢â€¢35	Injection Moulded
90561	CM1	â€¢â€¢8	â€¢â€¢30	250mm x â€¢â€¢45	Injection Moulded
90423	CM2	â€¢â€¢10	â€¢â€¢34	320mm x â€¢â€¢60	Injection Moulded
90431	CM2.5	â€¢â€¢26	â€¢â€¢53	355mm x â€¢â€¢72	Injection Moulded
90562	CM3	â€¢â€¢30	â€¢â€¢48	450mm x â€¢â€¢75	Injection Moulded
90469	CM4	â€¢â€¢37	â€¢â€¢67	547mm x â€¢â€¢108	Injection Moulded
90557	CM5	â€¢â€¢46	â€¢â€¢82	700mm x â€¢â€¢140	Vacuum Formed
90563	CM6	â€¢â€¢45	â€¢â€¢70	800mm x â€¢â€¢160	Vacuum Formed
90558	CM7	â€¢â€¢70	â€¢â€¢105	1345mm x â€¢â€¢155	Vacuum Formed

Joint Selection Chart												
Cable	1 Core	2 Core	3 Core	4 Core	5 Core	7 Core	12 Core	16 Core	19 Core	27 Core	37 Core	48 Core
1.5sqmm		90420	90420	90420	90420	90561	90561	90561	90423	90431	90431	90562
2.5sqmm		90420	90420	90420	90420	90561	90423	90423	90423	90431	90562	90562
4.0sqmm		90420	90420	90420	90561	90561	90431	90431	90431	90431		
6.0sqmm		90420	90420	90420	90561	90561		90431				
10sqmm		90561	90561	90561	90561	90423						
16sqmm		90561	90561	90561	90431	90431						
25sqmm		90423	90423	90423	90431							
35sqmm		90431	90431	90431	90431							
50sqmm	90561	90431	90431	90431	90469							
70sqmm	90561	90431	90431	90431	90469							
95sqmm	90423	90562	90562	90562	90469							
120sqmm	90423	90469	90469	90469	90469							
150sqmm	90431	90469	90557	90557	90557							
185sqmm	90431	90469	90557	90557	90557							
240sqmm	90562	90563	90563	90563	90558							
300sqmm	90562	90563	90563	90563								
400sqmm	90469	90563	90563	90563								
500sqmm	90469											
630sqmm	90563											

*The chart above is estimated and can vary with cable type and OD.

The information in this datasheet is for guidance only and subject to change without liability. Images provided are representations; actual cable dimensions may vary due to manufacturing tolerances.

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