

# 3M™ 90-Series Resin Cable Joints for Low Voltage Cables up to 1 kV



*They do the right job!*

**3M** *Innovation*

The 90-Series Resin Cable Joints are suitable for PVC, rubber and XLPE insulated cables.

The kits are designed for both non-armoured and armoured low voltage cables.

The polyurethane resin 9248 guarantees a perfect sealing, an electrical insulation and a mechanical protection.

Each kits is comprised of resin, moulds, sealing tape and an instruction sheet.

The 90-Series Resin Cable Joints meet the VDE 0278 Part 623 specifications.

Features	Benefits
non-foaming resin	insensitive to moisture (up to 50 m under water)
excellent flow characteristics	eliminating any risk of air voids
hydrolitic stability	maintains long-term mechanical and electrical properties
short curing time	fast and reliable installation
transparent resin bags	reliable mixing and installation

## Selection guide

Kit Reference For in-line joints	Cable Diameter (mm)	Max. Cross section range (mm <sup>2</sup> )			
		Non-armoured Cable		Armoured Cable	
90-A 1	8 – 26	3 x 16	4 x 16	3 x 10	4 x 10
90-A 2	14 – 32	3 x 35	4 x 25	3 x 16	4 x 16
90-A 3	23 – 39	3 x 50	4 x 50	3 x 50	4 x 35
90-A 4	28 – 50	3 x 95	4 x 95	3 x 95	4 x 70
90-A 5	33 – 60	3 x 185	4 x 150	3 x 150	4 x 120
90-A 6	45 – 77	3 x 300	4 x 300	3 x 300	4 x 240
90-A 7	45 – 90	3 x 400	4 x 400	3 x 400	4 x 400

Kit Reference For branch joints	Max. Cable Diameter (mm)		Cross section range (mm <sup>2</sup> )	
	Main Cable	Branch Cable	Main Cable	Branch Cable
90-AB 111	15	15	4 x 1.5 – 6	4 x 1.5 – 4
90-AB 112	22	21	4 x 6 – 10	4 x 4 – 10
90-AB 113	29	22	4 x 16 – 25	4 x 6 – 16
90-AB 114	35	25	4 x 35 – 70	4 x 16 – 25
90-AB 115	50	30	4 x 95 – 150	4 x 25 – 50
90-AB 116	58	35	4 x 120 – 185	4 x 35 – 70
90-AB 117	65	45	4 x 150 – 240	4 x 70 – 150



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