

Resin joints provide a high mechanical and chemical protection, electrical insulation and moisture for the joint.

**Advantages:**

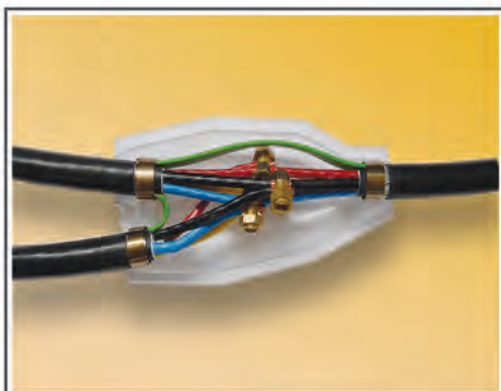
- Available in straight and branch versions
- Suitable for Voltages up to 3.6 KV
- Easy to install, click-together moulds
- Complete range of joints from 1/5 mm<sup>2</sup> to 400mm<sup>2</sup>
- Suitable for single and multi-core polymeric and paper insulated cables
- produced according to the following standards:  
BS7888 / HD623
- Pre-filled packs of Polyurethane resin & hardner ensure the correct mix ratio each time, with no mess and no waste



**Pre-filled packs of Polyurethane resin features:**

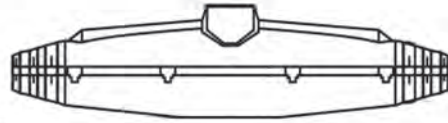
Color of Mixed System	Milky cream
Density of Resin at 25°C	1.03g/cm <sup>3</sup>
Density of Hardner at 20°C	1.23 g/cm <sup>3</sup>
Viscosity of Resin at 25°C	480-600 Mpa.s
Viscosity of Hardner at 25°C	160-240 Mpa.s
POT Life at 25°C	10-15 minutes 0.5 liter
Gel Time at 25°C	30-40 minutes 0.5 liter
Full Cure at 25°C	24 hours
Peak Exothermic	60-65 °C (150g mass)

Gel time is very much dependent upon ambient temperature and mixing time



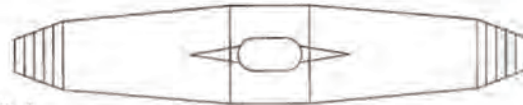
## RESIN JOINT SELECTION TABLE

SH.M Resin Joints are available in two types: S & M.



► Selection Table for Straight Resin Joint, M Type :

Type	Unarmoured Cable				Armoured Cable
	Core & Size	Core & Size	Core & Size	Core & Size	Core & Size
SHM11	5*(4-6)	4*(4-10)	3*(4-10)	1*(4-50)	4*(4)
SHM12	5*(10-16)	4*(16-25)	3*(16-25)	1*(70-150)	4*(6-10)
SHM13	5*(25-35)	4*(35-50)	3*(35-50)	1*(185-400)	4*(16-35)
SHM14	5*(50-70)	4*(70-95)	3*(70-95)	1*(500-630)	4*(50-70)
SHM15	5*(95-120)	4*(120-150)	3*(120-150)	1*(800-1000)	4*(95-120)
SHM16	5*(150-185)	4*(185-240)	3*(185-240)	-	4*(150-240)



► Selection Table for Straight Resin Joint, S Type :

Type	Unarmoured Cable	Armoured Cable
	Core & Size	Core & Size
S4	4*(1.5-4)	4*(1.5-4)
S10	4*(6-16)	4*(6-10)
S16	4*(25)	4*(16)
S25	4*(35)	4*(25)
S50	4*(50-70)	4*(35-50)
S120	4*(95-150)	4*(70-120)
S240	4*(185-300)	4*(150-240)
S400	4*(400)	4*(300-400)

► Selection Table for Straight Resin Joint , for Control Cables :

Cable Size	2 core	4 core	5 core	7 core	8 core	10 core	11 core	16 core	27 core	30 core	48 core
Kit No											
S4	1.5mm										
	2.5mm										
S16	1.5mm										
	2.5mm										
S25	1.5mm										
	2.5mm										
S120	1.5mm										
	2.5mm										
SHM11	1.5mm										
	2.5mm										
SHM12	1.5mm										
	2.5mm										
SHM13	1.5mm										
	2.5mm										
SHM15	1.5mm										
	2.5mm										

## RESIN JOINT SELECTION TABLE

### Selection Table for Branch Resin Joint, for Armoured Cables (4 core) :

Cable Size		1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240	300	400	
Kit No																			
SB4	Main Cable																		
	Branch Cable																		
SB10	Main Cable																		
	Branch Cable																		
SB25	Main Cable																		
	Branch Cable																		
SB50	Main Cable																		
	Branch Cable																		
SB120	Main Cable																		
	Branch Cable																		
SB240	Main Cable																		
	Branch Cable																		
SB400	Main Cable																		
	Branch Cable																		

### Selection Table for Branch Resin Joint, for Unarmoured Cables (4 core) :

Cable Size		1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240	300	400	
Kit No																			
SB4	Main Cable																		
	Branch Cable																		
SB10	Main Cable																		
	Branch Cable																		
SB25	Main Cable																		
	Branch Cable																		
SB50	Main Cable																		
	Branch Cable																		
SB120	Main Cable																		
	Branch Cable																		
SB240	Main Cable																		
	Branch Cable																		
SB400	Main Cable																		
	Branch Cable																		

