

## Joint Selection Guide

### "C" - Slimline Series

JOINT REF	NUMBER OF CORES	CABLE SIZE Sqmm	Max cable OD	Min cable OD
C-1	2	1.5-6	25	8
	3	1.5-6		
	4	1.5-4		
C-2	2	6-25	32	15
	3	6-25		
	4	6-16		
C-3	2	25-70	46	20
	3	25-70		
	4	25-50		
C-4	2	50-95	50	22
	3	50-95		
	4	50-70		

### "J" - Series

JOINT REF	NUMBER OF CORES	CABLE SIZE Sqmm	Max cable OD	Min cable OD
J-0	2	1.5-4	16	6
	3	1.5-4		
	4	1.5-2.5		
J-1	2	6-16	26	9
	3	6-16		
	4	4-10		
J-2	2	16-25	32	17
	3	16-25		
	4	10-16		
J-2.5	2	25-50	38	22
	3	25-50		
	4	16-35		
J-3	2	35-70	50	20
	3	35-70		
	4	25-70		
J-4	2	50-120	58	32
	3	50-120		
	4	70-95		
J-5	2	120-185	68	40
	3	120-185		
	4	95-120		
J-6	2	185-300	80	50
	3	185-300		
	4	150-300		

### RESIN SPECIFICATIONS FR 538

PHYSICAL PROPERTIES	RESULTS	TEST METHOD
Colour: Resin Hardener Mixed resin	Off white Dark brown Beige	
Mixed Viscosity	4500 - 5000 mPa.s @ 25°C	
Pot life	10 - 15 minutes [500gm @ 25°C]	
Gel time	15 - 20 minutes [500gm @ 25°C]	
Setting time	30 - 40 minutes [500gm @ 25°C]	
Specific gravity (mixed resin)	1,63 - 1,65 g/cm <sup>3</sup>	
Exotherm 500gm	65°C max @ 25°C	
2000gm	70°C max @ 25°C	
Shrinkage	Max 1%	
Shelf Life	24 Months @ 23°C	
MECHANICAL PROPERTIES		
Tensile strength	37 N/mm <sup>2</sup>	DIN 53455
Flexural strength	30 N/mm <sup>2</sup>	DIN 53452
Elongation at break	3 %	
Impact strength	11 kJ/M <sup>2</sup>	DIN 53453
Shore hardness - Shore D	24h @ 25°C = 85 7 days @ 25°C = 85 - 90	
ELECTRICAL PROPERTIES		
Dielectric strength	26 kV/mm	DIN 16946
Dielectric constant @ 50Hz	4.5	DIN 43483
Volume resistivity 23°C@ 50% Humidity	3,1 x 10 <sup>15</sup> /cm	BS903 Part C2
Surface resistivity 23°C@ 50% Humidity	1,5 x 10 <sup>16</sup> /cm	
Loss Factor Tan 23°C	0,15	
Water absorption	0.3% Max	

*Setting the Standards in Cable Jointing*