

## Inline Joints for Polymeric Cables up to 1kV

**EPKJ  
POLY**

While fully comparable in ease and speed of installation to other modern methods, Raychem joints also eliminate mixing, pouring and topping-up delays, as they require no jointing compound or resin. This feature cuts out curing time and enables the joints to be buried immediately. As the joint components are of heat-shrinkable material, they can also be held in stock in varying climatic conditions without risk of long-term deterioration.

### Installation

Applying equally well to both armoured and unarmoured cables,

the Raychem technique achieves insulating and sealing in one step by heating. This causes tubing, slipped over the cores before jointing, to shrink to tightly fit the connectors and insulation. At the same time the heat causes the sealant, supplied already pre-coated on the inside of the tubing, to melt and flow. The high integrity bond thus formed seals out moisture and corrosion, follows the thermal expansion of the cable, and can be reliably made on a range of core sizes and connector types without special skills or procedures.



### Single Core Cables - Single and Double Insulated

Catalogue Reference	Size of Conductor (mm <sup>2</sup> )	Cable Core Insulation		Connector Width or Bolt Length Range	
		Min Dia	Dia. Max	Length Max	
		(mm)	(mm)	(mm)	
S1	1 - 2.5	2.9	6	25	
S2	4 - 10	4	11	70	
S3	16 - 35	6	16	70	
S4	50 - 95	9	25	130	
S5	120 - 150	12	30	130	
S6	185 - 300	16	40	150	
S7	400 - 630	22	50	170	

### 2, 3 & 4 Core Cables without Armours with/without ECC

Catalogue Reference	Size of Conductor (mm <sup>2</sup> )	Number of Cores	Nominal Cable O.D	Connector Width or Bolt Length Range	
			Min	Dia. Max	Length Max
			(mm)	(mm)	(mm)
AUST-M1	1.5 - 6	2, 3, 4	9	10	35
AUST-M2	10 - 16	2, 3, 4	12	11	50
AUST-M3	16 - 35	2, 3, 4	16	16	70
AUST-M4	50 - 70	3, 4	22	25	110
AUST-M5	95 - 150	3, 4	30	35	130
AUST-M6	185 - 300	3, 4	40	45	150

## 2, 3 &amp; 4 Core Cables with Steel Wire Armours with/without ECC

Catalogue Reference	Size of Conductor	Number of Cores	Nominal Cable O.D	Connector Width or Bolt Length Range	
			Min	Dia. Max	Length Max
	(mm <sup>2</sup> )		(mm)	(mm)	(mm)
AUST-M1	1.5 - 6	2, 3, 4	9	10	35
AUST-M2	10 - 16	2, 3, 4	12	11	50
AUST-M3	16 - 35	2, 3, 4	16	16	70
AUST-MA7	50 - 70	3, 4	30	25	110
AUST-MA8	95 - 120	3, 4	34	35	130
AUST-MA9	150 - 185	3, 4	40	35	130
AUST-MA10	240 - 300	3, 4	50	45	150

## Multi Core Cables with Armours

Catalogue Reference	Number of Cores	Diameter Over Inner Sheath		Overall Diameter	
		Min	Max	Min	Max
		(mm)	(mm)	(mm)	(mm)
ECKJ-0017	4 - 7	9	15	14	23
ECKJ-0018	8 - 14	10	18	15	26
ECKJ-0019	15 - 21	18	26	24	35
ECKJ-0020	22 - 40	23	36	30	45
ECKJ-0021	41 - 75	32	44	39	55

## Multi Core Cables without Armours

Catalogue Reference	Number of Cores	Overall Diameter	
		Min	Max
		(mm)	(mm)
ECKJ-0266	4 - 7	9	19
ECKJ-0267	8 - 14	12	22
ECKJ-0268	15 - 21	16	27
ECKJ-0269	22 - 40	22	35
ECKJ-0270	41 - 75	26	44
ECKJ-0271	76 - 100	26	60