

# Straight Through Mechanical Connector Type Cable Joint

## Premium Range

- The largest and most versatile shells available on the market, manufactured from a combination of high impact thermoforming rigid PVC and precision injection moulded polycarbonate.
- Designed to enable crossover core cable jointing using Birkett mechanical connectors on all plastic cables, waveform and PILCSTA (paper insulated lead covered steel taped armoured) cables.
- Premium straight joints are supplied with range taking mechanical connectors capable of jointing dissimilar metal conductors.
- Transparent shells that allow extra working area and insulation in accordance to our design and test documentation held.
- Mixing of a high performance 2 part polyurethane resin in a transparent, totally enclosed extremely safe handling single Swishpak®.
- Tested for safe use by the Health and Safety Executive. All traces of hardener are eliminated after mixing ensuring that Swishpak® can be disposed of as non-hazardous waste.
- S95 – S300 will accept one service cable from 1.5mm<sup>2</sup> to 35mm<sup>2</sup>. S400 will accept two service cables.

**BS EN 50393  
TESTED**

*S50 Straight joint with bi-metallic allen key mechanical connectors and insulation shrouds.*

*Straight Cable Joint Selection Chart*

Nominal area of conductor (mm <sup>2</sup> )	Nominal area of conductor				
	1 Core Armoured	2 Core Armoured	3 Core Armoured	4 Core Armoured	5 Core Armoured
■ 1.5	S6	S6	S6	S6	S6*
■ 2.5	S6	S6	S6	S6	S6*
■ 4	S6	S6	S6	S6	S6*
■ 6	S6	S6	S6	S6	S6*
■ 10	S6*	S6*	S10	S10	S10*
■ 16	S6*	S10	S16	S16	S16*
■ 25	S6*	S16*	S25	S25	S25*
■ 35	S6*	S25*	S35	S35	S35*
■ 50	S6*	S35*	S35*	S50	S50*
■ 70	S10*	S50*	S50*	S95	S120*
■ 95	S25*	S95	S95	S95	S185*
■ 120	S35*	S95*	S120	S120	S300*
■ 150	S35*	S120*	S120*	S185	S400*
■ 185	S35*	S120*	S185	S185	S400*
■ 240	S50*	S185*	S300	S300	S400*
■ 300	S50*	S185*	S300	S300	S400*
■ 400	S50*	S300*	S300*	S400	S400*

*Straight Cable Joint Dimensions*

Straight Kit Reference				
	Maximum Core Size (mm <sup>2</sup> )	Maximum Cable Diameter (mm)	External Length (mm)	External Width (mm)
■ S6	6 x 5 Core	27	195	45
■ S10	10 x 5 Core	33	210	61
■ S16	16 x 5 Core	39	226	71
■ S25	25 x 5 Core	39	256	71
■ S35	35 x 5 Core	39	325	80
■ S50	50 x 5 Core	48	400	90
■ S95	95 x 4 Core	45	575	165
■ S120	120 x 4 Core	53	630	190
■ S185	185 x 4 Core	62	735	210
■ S300	300 x 4 Core	73	885	235
■ S400	400 x 4 Core	80	960	295

*As standard all straight kits are supplied with cable connectors to suit the maximum 4 core cable configuration.*

*\* Denotes that the kit will accommodate the cable size shown but the cable size must be advised when ordering to ensure correct connectors are supplied.*