



Self-Amalgamating Tapes



Application

- Strip back the interleaving and stretch the tape to reduce its width by between one third and one half. Keep the tape under tension and map, overlapping successive layers by 50%. until the desired build-up of insulation is achieved. Finish the wrapping by holding the tape under thumb and snap by stretching. The high degree of stretch as describe above will prevent the inclusion of volts and ensure rapid amalgamation.

Specification of Self-Amalgamating Tapes

Item No.	Description	Colour
SAM19X5-BLA	Self-amalgamating tapes 19mm / 5m	Black

Uses:

For jointing (splicing) and repair of a wide range of solid dielectric power cables up to 60kV.

The tapes have excellent physical and electrical properties.

The temperature performance of the tapes in a joint will be compatible with the 90°C continuous, 130°C overload rating of crosslinked polyethylene insulated cables.

In addition to its used at high voltages, as noted above the tapes are suitable for insulating and waterproofing electrical components and connections at lower voltage.

Average Properties	Property Value	Test Method
Thickness	2517: 0.75min (0.030 inches)	-
Tensile Strength	3.0MPa	BS903 Part A2 1989
Elongation at Break	80%	
Fusion and Tackiness	Passes	ASTM D 1373:70
Water Absorption	0.05% (24 hours)	ASTM D 570:63
Corrosion Liability	None	BS 3924:78
Flammability	Similar to that of polyethylene	ASTM D 1373:70
Ozone Resistance	Passes	
Dielectric Strength	36kV/mm (Short time method)	ASTM D 149:64
Dielectric Constant	2.8 (50Hz)	ASTM D 150:74
Power Factor (Tan)	0.006 (50Hz)	
Volume Resistivity (20°C)	1015 ohm - cm	ASTM D 257:75