



Self-Amalgamating Tapes

As one of the few European manufacturers of self-amalgamating tapes, Scapa have built a reputation of high quality and performance based on over 30 years of manufacturing expertise.

Self-amalgamating tapes are rubber based, extremely versatile materials, that are non-tacky making them very easy to use and apply. Product characteristics and properties also relates to the type of rubber used in the construction of the tape. They are used particularly for waterproofing, corrosion protection, jointing and repair of cables.

PIB (Polyisobutylene) rubber based tapes have excellent amalgamation properties. However, these products are used more for general purpose or low voltage applications as the service temperature and electrical properties are generally lower than EPR rubber based tapes.

EPR (Ethylene Propylene) rubber based tapes also have excellent amalgamation properties but with better levels of temperature performance and electrical properties are more often the first choice for higher voltage cable applications.

INSULATING TAPES					
CODE	DESCRIPTION	THICKNESS (mm)	SERVICE TEMP (°C)	DIELECTRIC STRENGTH (kV/mm)	APPLICATION INFORMATION
75	Silicone self-amalgamating tape – grey Triangular section	0.4	-60 to 180	18	- Protection and repair of MV cable terminations. - Migrant oil and grease barrier for impregnated paper insulated cables.
2501	PIB self-amalgamating tape – black	0.5	-40 to 90	42	- Protection against corrosion on joints and welds. - Joint and repair a wide range of power and distribution cables (up to 46kV).
2504	PIB self-amalgamating tape – black	0.75	-40 to 90	42	Make watertight seals when jointing PE sheathed telephone cable, both above and below ground.
2515	EPR self-amalgamating tape – black or white	0.5	-40 to 100	44	- Jointing and repair of a wide range of solid dielectric power cables (up to 132kV). - Insulation, waterproofing and protection of electrical components.
2517	EPR self-amalgamating tape – black	0.75	-40 to 100	42	- Jointing and repair of a wide range of solid dielectric power cables (up to 69kV). - Insulation, waterproofing and protection of electrical components.
2547	EPR self-amalgamating tape – black	0.75	-40 to 100	44	- Reconstitution of MV cable insulation (up to 69kV). - Specifically meets the temperature requirements of cross-linked polyethylene cables where high overload temperatures can be encountered.

SEMI-CONDUCTING TAPES					
CODE	DESCRIPTION	THICKNESS (mm)	TEMP RESISTANCE (°C)	VOLUME RESISTIVITY (Ohm.cm)	APPLICATION INFORMATION
2525	EPR semi-conducting self-amalgamating tape – black	0.75	-40 to 130	< 750	- Reconstitution of semi-conducting screens of MV and HV joints, and terminations. - For smoothing electrical stresses on irregular shaped lugs and connectors, in joints and terminations, and on overhead power lines.



CABLE JOINTS, CABLE TERMINATIONS, CABLE GLANDS, CABLE CLEATS
FEEDER PILLARS, FUSE LINKS, ARC FLASH, CABLE ROLLERS, CUT-OUTS

11KV 33KV CABLE JOINTS & CABLE TERMINATIONS
FURSE EARTHING
www.cablejoints.co.uk
Thorne and Derrick UK

Tel 0044 191 490 1547 Fax 0044 191 477 5371
Tel 0044 117 977 4647 Fax 0044 117 9775582



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Self-Amalgamating Tapes – Key Features & Benefits

- Rapid amalgamation to form a void free rubber mass.
- Good physical, electrical and insulation properties.
- Resistant to water and UV.
- Excellent heat ageing characteristics.
- Thicker products available for easier build up of layers.
- Compatible with a wide range of rubber and plastic dielectric cable insulation materials.
- 2547 and 2525: Conform to EDF HN 26-S-04 and meets UTE C33-011 standard.
- 75: Operates in extremes of low and high temperatures up to 180°C (Class H), excellent barrier to grease and oil and approved to MIL – I-468 52B.
- 2525: Embossed or smooth interleaving. Printed with cautionary text.



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