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3M Electrical Markets Division

# Scotch 23

## All Voltage Splicing Tape



## Features

- Highly conformable self-fusing EPR (Ethylene Propylene Rubber) based, high voltage splicing tape.
- Can be used as an insulation for LV applications as well as an insulation for splices up to 69kV
- Can handle an emergency overload temperatures of up to 130°C
- A special polyester liner which will not stick to the tape upon unwind
- Compatible with all solid dielectric cable insulation
- 5 years shelf life

## Applications

- Primary electrical insulation for splicing cable from 600V to 69kV on all solid dielectric cables
- Primary insulation for building stress cones on cables up to 35kV on all solid dielectric cables
- Jacketing on HV splices and terminations
- Moisture sealing electrical connections
- Bus bar insulations
- End sealing HV Cables

PROPERTIES		
Colour	Black	
Thickness	0.76 mm	ASTM D- 4325
Tensile Strength	1.4kN/m	ASTM D- 4325
Operating Temperature	90°C	
Emergency Operating Temperature	130°C	
Dielectric Strength	31.5 MV/m	ASTM D- 4325

*\*This data is not to be used for specification. Values listed are for typical properties and should not be considered minimum or maximum.*

## Installation Procedure

- Should be applied in successive half lapped, level wound layers until desired build up is reached
- Stretch tape in critical areas just short of its breaking point. Doing so will not alter its physical or electrical properties

**Available in 4 sizes: 19mm, 25mm, 38mm, 50 mm**

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