DF13 Electrical Semi-Conducting Tape 13

Description

DF13 Electrical Semi-Con ducting Tape use for cable semi-conducting layer recovery which is a highly conformable, semi-conducting EPR (Ethylene Propylene Rubber) based high-voltage splicing tape. It is non-vulcanizing and storage stable, with stable conductivity over a wide temperature range. Its conductivity is not affected, except by low-viscosity oils. The conductivity of cable semiconducting jackets is not affected by DF13.

Feature

- Semi-conducting (low resistivity)
- Retains conductivity with strength
- Elongates easily to conform to irregular shapes
- Stable up to temperatures (130°C / 266°F)
- Compatible with most solid dielectric cable insulations and conductors
- Excellent resistance to cracking or checking from solvents, UV, Ozone or moisture
- Compatible with high-voltage splicing and terminating materials
- Indoor or outdoor applications
- ASTM-D-4388

Application

- To electrically round out high-voltage connectors and to bond to insulating materials to minimize electrical stresses.

- Continue semi-conducting layer shielding found in solid dielectric (Polyethylene, XLP, EPR, etc.) cables at 5 kV and above
- Provide shielding for cable joints on solid dielectric insulated power cables (shielded or concentric neutral)
- Replace semi-conducting layer beneath metallic shield of similar cables in case of damage (screening)
- Make conductive portion of stress cone of power cable termination on solid dielectric insulated power cables
- Maintain positive connection between concentric neutral semi-conducting jackets of cables and semi-conducting surfaces of plug-in units
- Establish a more positive contact between concentric neutral wires and pre-molded devices already installed with too much jacket exposed
- Round out bolted connections on insulated bus bars

Color

- Gray & Black

Dimension

Width	Thickness	Length
19mm (3/4 in)	0.76mm (30mils)	5m(16.4 ft)
25mm (1 in)	0.76mm (30mils)	4.5m(15 ft)

Package

- 100 PCS/Carton

Specification

Index	Typical Value	Test Method
Tensile Strength	1.3MPa	ASTM D 4325
Elongation	1100%	ASTM D 4325
Volume Resistivity	7×10^{8} Ω/cm	ASTM D 4325
Self-adhesion	IV	ASTM D 4388
Heat Exposure	Pass	ASTM D 4325
Ozone Resistance	Pass	ASTM D 4388
Ultraviolet Radiation Aging	Pass	ASTM D 4325
Xenon Lamp Aging	Pass	ISO4892-2
Normal Temperature	90℃（194°F）	
Emergency Temperature	130℃（266°F）	

*All these data are typical value

Warranty & Storage

- 5-year shelf life from date of manufacture
- 10°C/50°F to 27°C/80°F storage temperature
- <75% relative humidity

Images