



Bus Bar Heat Shrink Tube

S1-A Wrap Around Overhead Line Cover

Introduction

Suitable for improving insulation and preventing short circuits of overhead conductors of various voltage levels and provide insulation for overhead conductors to help prevent electrical outages caused by trees or wildlife coming into the contact with distribution lines. Simple fast wraparound installation. To increase creepage distance and improve insulation performance. Excellent weather resistance, UV resistance, and mechanical damage resistance.

Features

- Voltage Class: 380V~110 kV
- Standard Color: Red, Green, Yellow, Black
- Environmental friendly, RoHS compliant
- Standard Packaging: 20m/roll

Dimension

Part No.	Voltage class	Size for conductor (mm ²)	Conductor diameter Maximum (mm)
S1-A			
Ø14A	380V~10kV	≤70mm ²	14
Ø18A	380V~10kV	95mm ²	18
Ø20A	380V~10kV	120~150mm ²	20
Ø28A	380V~10kV	185~300mm ²	28
Ø38A	380V~10kV	400~800mm ²	38
Ø14B	35kV~110kV	≤70mm ²	14
Ø18B	35kV~110kV	95mm ²	18
Ø20B	35kV~110kV	120~150mm ²	20
Ø28B	35kV~110kV	185~300mm ²	28
Ø38B	35kV~110kV	400~800mm ²	38

Technical Data

Property	Test Method	Requirement
Tensile Strength	ASTM D2671	≥12 MPa
Ultimate Elongation	ASTM D2671	≥300%
Heat Aging (136°C/168h)	ASTM D2671	
Tensile Strength		≥10 MPa
Ultimate Elongation		≥200%
Water absorption (23°C/24h)	ASTM D2671	≤0.5%
Low-temperature flexibility (-40°C/4h)	ASTM D2671	No cracking
Dielectric strength	ASTM D2671	≥20 kV/mm
Volume resistivity	ASTM D2671	≥1.0×10 ¹³ Ω·cm
Dielectric constant	IEC 250	≤5.0
Tracking and erosion resistance	ASTM D2303	After 1hr at 2.5kV, and 1hr at 2.75kV, No burn penetration, no sustained burning
Flammability	ASTM D2863	Oxygen indexOI≥27

