

RSBJ Heat-shrinkable Fiber-reinforcing Wraparound Sleeves for Cable Repair

The RSBJ wraparound heat-shrinkable repair sleeves are made from composite materials. The sleeves with fibers integrated without aluminum layer laminated inner, is very stronger, for both thickness of sleeve and density of fiber-PE network are much more than the other sleeves. They are suitable for repair of all types of pressurized and non-pressurized cable: aerial, buried or ducted, non-filled or jelly filled with polyethylene or metal jackets.



Installation indicators: heat sensitive paint and adhesive flow, white line.

Technical Data :

Materials

Item	Test Condition and method	Requirement
Bursting Strength	Test Temp: 23±5°C	Min 3000N
Thermal Ageing Bursting Strength	168Hrs at 150±2°C (After free shrinkage)	Min 5000N
Dielectric strength	Electrode Surface Dia: 6mm Wight: 50±2gms Voltage steps: 2KV/20sec	Min 12 KV/mm
Split Resistance	Temp: 200±2°C Test time 23±3°C	No split Propagation
Carbon Content	Heating rate: 20°C/min	Min 2.5%
UV Res of Out/layer	Gas flow rate: 300cc/min	
Cold Crack Resistance	Test temp ≤ -40°C	No crack
Resistance to aggressive media Bursting Strength	Test media: Fuel oil, petroleum jelly Test temp: 70±2°C	Min 2000N
Environmental Stress cracking	10% Igepal Co 630 solution immersion Time 30 days Test Temp: 50±3°C	No cracking
Temp. indicating paint conversion	Scraped off paint from sleeve	230-250°C

Hot melt adhesive

Item	Test method and conditions	Requirements
Peel Strength	-PE at 23±2°C -PE at 23±2°C -Pb at 23±2°C	Min 100N/25mm

Shear Strength	At 23±2°C	Min200N
Corrosive Effect	Copper Mirror test Test time:16hrs Test temp:60±2°C	No effect

Selection chart dimensions (mm)

Size	Max cable dia	Min cable dia	Lengths supplied	Lengths
RSBJ 55/8	55	8	2000,1500,1000,500	Or by ordering request
RSBJ 70/15	75	15	2000,1500,1000,500	
RSBJ 105/30	105	30	2000,1500,1000,500	
RSBJ 135/38	135	38	2000,1500,1000,500	
RSBJ 175/55	175	55	2000,1500,1000,500	
RSBJ 220/65	220	65	2000,1500,1000,500	

