

RSW Heat-shrinkable wraparound sleeves for cable repair

The RSW wraparound heat shrinkable repair sleeve made from cross-linked polyolefin, with a hot-melt adhesive liner on the inner side of the sleeve. When heating, the sleeve shrinks and the adhesive melts create a water-tight bond between the sleeve and the cable. Sleeve materials equals to the material properties of the original cable jacket, it closes easily with a flexible stainless steel channel.



Features

- Quick and easy installation
- Covered with thermo paint
- Protection against mechanical stress
- Sleeve and channel can be cut to suit shorter applications
- For insulation on low voltage cable up to 1000V
- Hot melt adhesive forms a durable, moisture resistant seal
- Fit a wide range of cable sizes

Technical Data:

Materials

Item	Test Condition and method	Requirement
Bursting Strength	Test Temp: 23±5°C	Min 15Mpa
Thermal Ageing	168Hrs at 150±2°C	Min 13.7Mpa
Bursting Strength	(After free shrinkage)	
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 2.6±0.25%
UV Res of Out/layer	Gas flow rate: 300cc/min	
Cold Crack Resistance	Test temp ≤ -40°C	No cracking
Resistance to aggressive media	Test media: Fuel oil, petroleum jelly Test temp: 70±2°C	Min 13.7Mpa
Bursting Strength		
Environmental Stress cracking	10% Igepal Co 630 solution immersion Time 30 days Test Temp: 50±3°C	No cracking
Temp. indicating paint conversion	Completely conversion	Completely conversion

Hot melt adhesive

Item	Test method and conditions	Requirements
Adhesive Softening Point	ASTM E28	90±10°C
Peel Strength	-PE at 23±2°C -Pb at 23±2°C	Min 70N
Shear Strength	At 23±2°C Copper Mirror test	Min 100N

Test time:16hrs

Test temp:60±2°C

Corrosive Effect

ASTM D1693

No effect

Selection chart dimensions (mm)

Size	Max cable Dia	Min cable Dia	Lengths supplied	Lengths by ordering request
RSW22/8	22	8	500,1000,1500,2000	
RSW32/10	32	10	500,1000,1500,2000	
RSW42/15	42	15	500,1000,1500,2000	
RSW50/18	50	18	500,1000,1500,2000	
RSW62/22	62	22	500,1000,1500,2000	
RSW75/25	75	25	500,1000,1500,2000	
RSW92/30	92	30	500,1000,1500,2000	
RSW122/38	122	38	500,1000,1500,2000	
RSW160/55	160	55	500,1000,1500,2000	
RSW175/50	175	50	500,1000,1500,2000	
RSW198/55	198	55	500,1000,1500,2000	
RSW230/70	230	70	500,1000,1500,2000	
RSW250/98	250	80	500,1000,1500,2000	

