



# Dual-Wall Heat Shrinkable

## S3 Dual Wall Heat Shrinkable Tubing

**Voltage Class 1kV** Ideal for electrical insulation and protection of outdoor electrical equipments

Dual wall, flame retardant abrasion resistant heat shrinkable tubing with adhesive liner.

### Applications

- Insulation and environment protection for outdoor electrical equipments and connections (such as hanging lamps, external lighting system, electrical cable for motors and other cabling joints) in sea-going vessel, off-shore oil platform, shipyard and harbour.
- Water sealant applications for outdoor electrical equipments
- Other applications which require mechanical protection and waterproof sealing against seawater, moisture and other common contaminants

### Features/Benefits

- Adhesive-lined, sealing against water, moisture and/or other common contaminants
- Flame retardant
- Abrasion resistant

### Temperature Range

Operating Temperature : -40 °C ~ 90 °C  
Shrink Temperature : 105 °C ~ 135 °C



### Colour

Black

### Certification

Type certified by Det Norske Veritas (DNV)  
Type Certified by CCS

### Product Code Cross References

Raychem : SST  
DSG Canusa : FCFW

### Technical Details

Test Item	Test Method	Typical Value
Tensile strength	ASTM D2671	≥ 10Mpa
Break down elongation	ASTM D2671	≥ 450%
Tensile strength after aging	ASTM D2671	≥ 10Mpa
Break down elongation after aging	ASTM D2671	≥ 400%
Upright combustibility	ASTM D2863	FV-1
Water absorption	ASTM D570	≤ 0.5%
Heat shock	200°C for 30min	No drop, no flow
Low temperature flexibility	-40°C for 4h	No crack
Dielectric strength	ASTM D2671	≥ 15kV/mm
Peel off strength to PEX	ASTM D2671	≥ 30N/cm
Peel off strength to steel	ASTM D2671	≥ 30N/cm



### Product Selection(S3 with Shrink Ratio 3:1)

Product Code	Min. wall thickness after free recovery(mm)	Standard Length Per Piece (m)
S3-Φ9.6/3.2	≥2.0	1.22
S3-Φ12.7/4.3	≥2.5	1.22
S3-Φ18/6	≥2.6	1.22
S3-Φ24/8	≥2.8	1.22
S3-Φ31/10	≥3.0	1.22
S3-Φ39/13	≥3.0	1.22
S3-Φ51/17	≥3.5	1.22
S3-Φ64/21	≥3.5	1.22
S3-Φ76/25.5	≥3.5	1.22
S3-Φ89/30	≥3.5	1.22
S3-Φ100/33	≥3.5	1.22

ID: Internal Diameter

### Product Selection(S3 with Shrink Ratio 4:1)

Product Code	Min. wall thickness after free recovery(mm)	Standard Length Per Piece (m)
S3-Φ12/3	≥2.0	1.22
S3-Φ16/4	≥2.5	1.22
S3-Φ24/6	≥2.6	1.22
S3-Φ32/8	≥3.0	1.22
S3-Φ36/9	≥3.0	1.22
S3-Φ40/10	≥3.0	1.22
S3-Φ52/13	≥3.5	1.22
S3-Φ64/16	≥3.5	1.22
S3-Φ76/19	≥3.5	1.22
S3-Φ89/22	≥3.5	1.22
S3-Φ100/25	≥3.5	1.22

ID: Internal Diameter

#### Ordering

When ordering this product, please specify 1) Product code 2) Quantity Required in pieces