



# Dual-Wall Heat Shrinkable

## S3(t) Thin Wall Heat Shrinkable Tubing

**Voltage Class 1kV** Ideal for insulation and waterproof protection

Co-extruded dual wall tubing with polyolefin outer layer for insulation, corrosion resistance, stress release and hot melt adhesive inner layer for waterproofing and mechanical stress relief.

### Applications

- Waterproof wire or wire bundle
- Sealing of wire joints

### Features/Benefits

- High Shrink Ratio: 3:1 & 4:1
- Halogen free, environmental friendly (Optional)
- Adhesive inner layer, waterproof and seal against moisture
- Flame Resistant: UL VW-1 Grade (Outer Layer only)

### Product Code Cross References

Raychem	: ATUM
DSG Canusa	: DERAY-IAKT
Sumitomo	: W2B2
3M	: EPS300

### Technical Details

Test Item	Test Method	Typical Value
Tensile strength	ASTM D2671	≥10MPa
Break down elongation	ASTM D2671	>400%
Tensile strength after aging	ASTM D2671	≥10MPa
Break down elongation after aging	ASTM D2671	>300%
Flammability	UL224	VW1
Water absorption	ASTM D570	≤0.5%
Heat shock	200 °C for 30 minutes	No drop/no flow
Low temperature flexibility	-40°C for 4 hours	No cracking
Dielectric strength	At 2500V AC for 60 seconds	pass
Copper corrosion	UL224, at 158 °C for 168 hours	pass
Volume Resistivity	ASTM D2671	>10 <sup>14</sup> Ωcm



### Colour

Black

### Temperature Range

Operating Temperature : -40 °C ~ 125 °C

Shrink Temperature : 90 °C ~ 125 °C

### Certification

Certified by UL, E236437 (Outer Layer only)



### S3(T) with Shrink Ratio: 3:1

Product Code	Min. wall thickness after free recovery(mm)	Standard Package (m/roll)
S3(T)- Φ3.0/1.0	1.0	100
S3(T)- Φ4.8/1.6	1.0	100
S3(T)- Φ6.0/2.0	1.0	100
S3(T)- Φ9.0/3.0	1.3	100
S3(T)- Φ12/4.0	1.7	100
S3(T)- Φ18/6.0	2.0	50
S3(T)- Φ24/8.0	2.3	50
S3(T)- Φ30/10	2.4	50
S3(T)- Φ39/13	2.5	25
S3(T)- Φ51/17	2.5	25

### S3(T) with Shrink Ratio: 4:1

Product Code	Min. wall thickness after free recovery(mm)	Standard Package (m/roll)
S3(T)- Φ4.0/1.0	1.2	100
S3(T)- Φ8.0/2.0	1.5	100
S3(T)- Φ12/3.0	1.8	100
S3(T)- Φ16/4.0	2.0	50
S3(T)- Φ24/6.0	2.4	50
S3(T)- Φ32/8.0	2.4	50
S3(T)- Φ40/10	2.8	25
S3(T)- Φ52/13	2.8	25

ID: Internal Diameter

#### Ordering

When ordering this product, please specify 1) Product code 2) Quantity Required in number of rolls