



# Dual-Wall Heat Shrinkable

## S3(h) Heavy-Wall Heat Shrinkable Tubing

**Voltage Class 1kV~36kV** Ideal for insulation and mechanical protection of cable joints

Heavy wall heat shrinkable tubing with radiation cross-linked polyolefin outer layer for excellent insulation, corrosion prevention and adhesive inner layer for waterproof sealing and insulation.

### Applications

- Insulation and environmental protection of cable joints
- Other applications where requires insulation and protection, sealing or cable jacketing

### Features/Benefits

- High Shrink Ratio: 3:1 & 4:1
- Abrasion Resistant
- Optional flame retardant
- Also available without adhesive liner

### Temperature Range

Operating Temperature : -55 °C ~ 90 °C  
Shrink Temperature : 105 °C~135 °C

### Certification

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



### Colour

Black

### Product Code Cross References

Raychem : WCSM / XCSM  
DSG Canusa : CFW  
LG : LG-PHWT

### Technical Details

| Test Item                         | Test Method          | Typical Value   |
|-----------------------------------|----------------------|-----------------|
| Tensile strength                  | ASTM D2671           | ≥ 12Mpa         |
| Break down elongation             | ASTM D2671           | ≥ 400%          |
| Tensile strength after aging      | ASTM D2671           | ≥ 12Mpa         |
| Break down elongation after aging | ASTM D2671           | ≥ 350%          |
| Water absorption                  | ASTM D570            | ≤ 0.5%          |
| Heat shock                        | 200°C for 30 minutes | No drop/no flow |
| Low temperature flexibility       | -55°C for 4 hours    | No cracking     |
| 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

| Product Code  | Min. wall thickness<br>after free recovery(mm) | Standard Length Per Piece<br>(m) |
|---------------|--|----------------------------------|
| S3(H) -9/3    | 2.3  | 1.22                             |
| S3(H) -13/4   | 2.7  | 1.22                             |
| S3(H) -19/6   | 3.0  | 1.22                             |
| S3(H) -25/8   | 3.2  | 1.22                             |
| S3(H) -33/10  | 3.4  | 1.22                             |
| S3(H) -40/12  | 4.0  | 1.22                             |
| S3(H) -55/16  | 4.3  | 1.22                             |
| S3(H) -65/21  | 4.3  | 1.22                             |
| S3(H) -85/25  | 4.5  | 1.22                             |
| S3(H) -100/30 | 4.5  | 1.22                             |
| S3(H) -125/40 | 4.5  | 1.22                             |
| S3(H) -160/50 | 4.5  | 1.22                             |

ID: Internal Diameter

### Ordering

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