

LSMN



Medium Wall Adhesive-lined Cross-linked Polyolefin Heat Shrink Tubing

Medium Wall Heat shrinkable tubing suitable for a variety of low voltage electrical and mechanical application, where lighter weight and greater flexibility are important.

Features and Application

3:1 shrink ratio, non flame retardant

Seal and protect cable splice and terminations

Rugged mechanical protection

Complete moisture sealing

Strain relief for delicate wire connections

High resistance to impact and abrasion

Thermoplastic adhesive liner for complete environmental protection and insulation

Continuous operating temperature: -45°C-110°C

Shrinking temperature: 125°C

RoHS compliant

Technical Data

| Property | Test method | Standard Performance |
|-----------------------------------|------------------|----------------------|
| Tensile strength(MPa) | ASTMD 2671 | ≥12 |
| Elongation(%) | ASTMD 2671 | ≥300 |
| Tensile strength after aging(MPa) | UL224 158°C*168h | ≥8,4 |
| Elongation after aging (%) | UL224 158°C*168h | ≥200 |
| Dielectric strength(kV/mm) | IEC 60243 | ≥15 |
| Volume resistivity(Ω.cm) | IEC 60093 | ≥10 ¹⁴ |
| Longitudinal Shrink Ratio (%) | UL224 | ≤± 10% |

Adhesive

| Property | Test method | Standard Performance |
|---------------------|-------------|----------------------|
| Water Absorption | ASTM D 570 | <0,2% |
| Softening Point(°C) | ASTM E 28 | 95 |
| Peel strength (PE) | ASTMD 1000 | 120N/25mm |
| Peel strength (AL) | ASTMD 1000 | 80N/25mm |

TECHNICAL DATA SHEET

Revision Number. 1

Last Edited 3. juli 2023

Dimensions

| Size mm | As Supplied (mm) | After Recovery (mm) | | | | Standard Package m/pcs |
|------------|---------------------|---------------------------------|---------------------------------|--------------------------------|----------------------------------|------------------------------|
| | | Internal Diameter mm(min) | Internal Diameter mm(max) | Jacket Thickness mm(nom) | Adhesive Thickness mm(nom) | |
| 6,0/2,0 | ≥6,0 | ≤2,0 | 1,40±0,20 | 0,45±0,15 | 1,85±0,30 | 1,22 |
| 8,0/2,0 | ≥8,0 | ≤2,0 | 1,40±0,20 | 0,45±0,15 | 1,85±0,30 | 1,22 |
| 10,2/3,0 | ≥10,2 | ≤3,0 | 1,40±0,20 | 0,50±0,15 | 1,90±0,30 | 1,22 |
| 12,0/3,0 | ≥12,0 | ≤3,0 | 1,40±0,20 | 0,50±0,15 | 1,90±0,30 | 1,22 |
| 16,0/5,0 | ≥16,0 | ≤5,0 | 1,50±0,20 | 0,55±0,20 | 2,15±0,35 | 1,22 |
| 19,1/5,6 | ≥19,1 | ≤5,6 | 1,80±0,20 | 0,60±0,20 | 2,40±0,40 | 1,22 |
| 22,0/6,0 | ≥22,0 | ≤6,0 | 2,00±0,30 | 0,60±0,20 | 2,60±0,40 | 1,22 |
| 25,0/8,0 | ≥25,0 | ≤8,0 | 2,00±0,30 | 0,65±0,20 | 2,70±0,40 | 1,22 |
| 28,0/6,0 | ≥28,0 | ≤6,0 | 2,40±0,30 | 0,95±0,25 | 3,30±0,45 | 1,22 |
| 33,0/8,0 | ≥33,0 | ≤8,0 | 2,50±0,30 | 0,80±0,25 | 3,30±0,45 | 1,22 |
| 38,1/12,0 | ≥38,1 | ≤12,0 | 2,40±0,30 | 0,80±0,25 | 3,30±0,45 | 1,22 |
| 43,2/12,7 | ≥43,2 | ≤12,7 | 2,40±0,30 | 0,80±0,25 | 3,30±0,45 | 1,22 |
| 55,0/16,0 | ≥55,0 | ≤16,0 | 2,40±0,30 | 0,80±0,25 | 3,30±0,45 | 1,22 |
| 65,0/19,0 | ≥65,0 | ≤19,0 | 2,50±0,30 | 0,80±0,25 | 3,30±0,45 | 1,22 |
| 75,0/22,0 | ≥75,0 | ≤22,0 | 2,90±0,30 | 0,80±0,25 | 3,70±0,50 | 1,22 |
| 85,0/25,0 | ≥85,0 | ≤25,0 | 2,90±0,30 | 0,80±0,25 | 3,70±0,50 | 1,22 |
| 95,0/30,0 | ≥95,0 | ≤30,0 | 3,00±0,30 | 0,80±0,25 | 3,70±0,50 | 1,22 |
| 115,0/34,0 | ≥115,0 | ≤34,0 | 3,00±0,30 | 0,80±0,25 | 3,70±0,50 | 1,22 |
| 140,0/42,0 | 140,0 | ≤42,0 | 3,00±0,30 | 0,80±0,25 | 3,70±0,50 | 1,22 |
| 160,0/50,0 | 160,0 | ≤50,0 | 3,10±0,30 | 0,80±0,25 | 3,70±0,50 | 1,00 |
| 180,0/65,0 | 180,0 | ≤65,0 | 3,10±0,30 | 0,80±0,25 | 3,70±0,50 | 1,00 |
| 200,0/69,0 | 200,0 | ≤69,0 | 3,10±0,30 | 0,80±0,25 | 3,70±0,50 | 1,00 |
| 230,0/78,0 | 230,0 | ≤78,0 | 3,10±0,30 | 0,80±0,25 | 3,70±0,50 | 1,00 |