

LSHN



Heavy Wall Adhesive-Lined Cross-linked Polyolefin Heat Shrink Tubing

Heavy wall adhesive-lined heat shrink tubing provides maximum reliability for insulating and protecting cable joints and terminations

Features and Application

3:1 shrink ratio, not flame-retardant

Withstands severe mechanical requirements of U.R.D., submersible and direct burial installations

High impact, abrasion, corrosion and chemical resistance

Rated for 1kv, 90°C application

Thermoplastic adhesive liner provides complete environmental protection and installation

Tubing without adhesive is available upon request

Standard color is black, other color is available upon request

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

Shrinking temperature: 125°C

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

Dimensions

Size	As Supplied (mm)	After Recovery (mm)				Standard Package
mm	Internal Diameter (mm)	Internal Diameter (mm)	Jacket Thickness (mm)	Adhesive Thickness (mm)	Total Wall Thickness (mm)	m/pc
8.0/2.0	≥8.0	≤2.0	1.80±0.30	0.55±0.20	2.35±0.35	1.22
9.0/3.0	≥9.0	≤3.0	2.00±0.30	0.55±0.20	2.55±0.40	1.22
13.0/4.0	≥13.0	≤4.0	2.30±0.30	0.55±0.20	2.85±0.40	1.22
16.0/5.0	≥16.0	≤5.0	2.30±0.30	0.60±0.20	2.90±0.50	1.22
22.0/6.0	≥22.0	≤6.0	2.50±0.40	0.60±0.20	3.10±0.50	1.22
28.0/6.0	≥28.0	≤6.0	2.70±0.40	0.70±0.25	3.40±0.50	1.22
33.0/8.0	≥33.0	≤8.0	2.80±0.40	0.80±0.25	3.60±0.60	1.22
38.1/12.0	≥38.1	≤12.0	3.10±0.50	0.80±0.25	3.90±0.60	1.22
43.2/12.0	≥43.2	≤12.0	3.50±0.50	0.80±0.25	4.30±0.70	1.22
55.0/16.0	≥55.0	≤16.0	3.60±0.50	0.80±0.25	4.40±0.70	1.22
65.0/19.1	≥63.0	≤19.0	3.60±0.50	0.80±0.25	4.40±0.70	1.22
75.0/22.0	≥75.0	≤22.0	3.60±0.50	0.80±0.25	4.40±0.70	1.22
85.0/25.0	≥85.0	≤25.0	3.60±0.50	0.80±0.25	4.40±0.70	1.22
95.0/30.0	≥95.0	≤30.0	3.60±0.50	0.80±0.25	4.40±0.70	1.22
105.0/30.0	≥105.0	≤30.0	3.80±0.60	0.80±0.25	4.60±0.70	1.22
120.0/39.0	≥120.0	≤39.0	3.80±0.60	0.80±0.25	4.60±0.70	1.22
130.0/40.0	≥130.0	≤40.0	3.80±0.60	0.80±0.25	4.60±0.70	1.22
140.0/42.0	≥140.0	≤42.0	3.80±0.60	0.80±0.25	4.60±0.70	1.22
160.0/50.0	≥160.0	≤50.0	3.80±0.60	0.80±0.25	4.60±0.70	1.00
180.0/60.0	≥180.0	≤60.0	3.80±0.60	0.80±0.25	4.60±0.70	1.00
200.0/69.0	≥200.0	≤69.0	3.80±0.60	0.80±0.25	4.60±0.70	1.00
230.0/78.0	≥230.0	≤78.0	4.10±0.60	0.80±0.25	4.90±0.70	1.00