



Heat Shrinkable Medium Wall Tubing : LVT

Product Features

FOR LOW VOLTAGE INSULATION

Ikebana LVT, heat-shrinkable medium wall tubing, has been specially developed for applications with power cables up to 1 kV. Ikebana LVT has excellent insulating properties combined with toughness, resistance to impact and abrasion thus providing mechanical protection. It offers good protection from environmental effects, ultra-violet radiation and moisture. It is also resistant to oil and solvent attacks

Ikebana LVT is easy to install. A common gas torch is required to heat and recover the tube onto the power cable or accessories. Ikebana LVT has a high shrink ratio which allows it to be used with a wide range of cable sizes. Ikebana LVT is available in two forms: Uncoated LVT-U and coated with hot melt adhesive LVT-C. Coated tubes offer complete sealing.



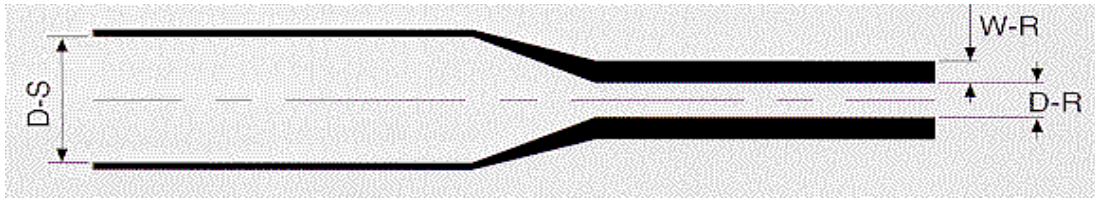
- **EXCELLENT HEAT RESISTANCE** : Made from cross linked polyolefins, non melting
 - **LARGER APPLICATION RANGE** : Expansion ratio 3:1
 - **CONTINUOUS OPERATING TEMPERATURE** : -55 °C to +125 °C
 - **SHRINK TEMPERATURE** : Min. 120 °C
 - **EASY INSTALLATION** : In the factory or at site using gas torch or hot blower.
-

Heat Shrinkable Medium Wall Tubing : LVT

Properties

| | Test Method | Typical Data |
|---------------------------------------|-------------|----------------------------------|
| Tensile Strength | ASTM D 638 | 18 MPa |
| Ultimate Elongation | ASTM D 638 | 730% |
| Accelerated ageing : 7 days at 158 °C | ASTM D 2671 | |
| Tensile Strength | | 17.7 MPa |
| Ultimate Elongation | | 700% |
| Heat Shock : 30 mins at 200 °C | ASTM D 2671 | No cracking, dripping or flowing |
| Volume Resistivity | IEC 60093 | $1 * 10^{14}$ Ohm cm |
| Dielectric Strength | IEC 60243 | 17 kV/mm |
| Water Absorption | ISO 162 | 0.2% |

Dimensions and ordering information



| Size (mm) | Inside Diameter | | Wall Thickness | Standard Length (meters) | |
|-----------|-----------------|-----------|----------------|--------------------------|----------------|
| | Min D - S | Max D - R | W - R | LVT-U (uncoated) | LVT-C (coated) |
| 12/3 | 12.0 | 3.0 | 2.0 | 30.0 | 1.0/1.5 |
| 20/6 | 20.0 | 6.0 | 2.3 | 30.0 | 1.0/1.5 |
| 30/10 | 30.0 | 10.0 | 2.7 | 30.0 | 1.0/1.5 |
| 40/12 | 40.0 | 12.0 | 2.8 | 30.0 | 1.0/1.5 |
| 50/16 | 50.0 | 16.0 | 3.0 | 25.0 | 1.0/1.5 |
| 60/20 | 60.0 | 20.0 | 3.0 | 25.0 | 1.0/1.5 |
| 75/25 | 75.0 | 25.0 | 3.2 | 20.0 | 1.0/1.5 |
| 85/25 | 85.0 | 25.0 | 3.2 | 20.0 | 1.0/1.5 |
| 100/30 | 100.0 | 30.0 | 3.4 | 15.0 | 1.0/1.2 |
| 115/34 | 115.0 | 34.0 | 3.4 | 1.0/1.5 | 1.0/1.2 |
| 140/42 | 140.0 | 42.0 | 3.4 | 1.0/1.5 | 1.0/1.2 |
| 160/50 | 160.0 | 50.0 | 3.4 | 1.0/1.5 | 1.0/1.2 |

S: As Supplied

R: Fully Recovered

IKEBANA ENGINEERING LIMITED

Ratchaburi Industrial Estate, 155/47 Moo 4, Phetkasem Road, Chetsamian,

Photharam, Ratchaburi 70120. THAILAND.

Tel.: +66 32 375811 to 813 Fax : +66 32 375810

e-mail: snabar@ikebana-heatshrink.com