

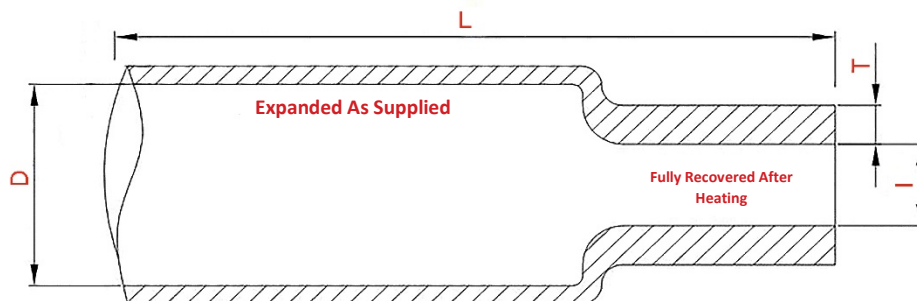
RITTU 3:1

RITTU is a heat shrink polyolefin tube, designed for all general purpose applications where thick or medium wall tubing is not required. Typical applications include cable marking, colour coding, insulation and light weight harness jacketing.

The 3:1 shrink ratio means it is ideal for irregular shapes with widely varying dimensions.

Features:

- 3:1 shrink ratio
- Flame Retardant
- Excellent resistance to chemicals and solvents
- Excellent electrical properties
- Continuous operating temperature: -50°C to 125°C



*Drawing depicts typical dimensions (Dimensions are all in mm)

D – Internal Diameter | I – Maximum Internal Diameter | L – Length as per requirement | T – Wall Thickness | E – As Supplied | S – After Free Recovery

PRODUCT DIMENSIONS – RITTU 3:1 Series			
CODE	D (mm)		T (mm)
	E	S	S
	Min	Max	Nom.
RITTU 1.6/0.5	1.6	0.5	0.45
RITTU 3.2/1.1	3.2	1.1	0.55
RITTU 4.8/1.6	4.8	1.6	0.60
RITTU 6.4/2.1	6.4	2.1	0.65
RITTU 9.5/3.2	9.5	3.2	0.75
RITTU 12.7/4.2	12.7	4.2	0.80
RITTU 19.1/6.4	19.1	6.4	0.90
RITTU 25.4/8.5	25.4	8.5	1.20
RITTU 38.1/12.7	38.1	12.7	1.25

Standard Colour: Black

Other Colours: Clear, Green, Brown, Yellow/Green, Blue, Grey
(subject to MOQ)

MATERIAL SPECIFICATIONS		
CHARACTERISTIC	VALUE	TEST METHOD
Physical Properties		
Water Absorption	0.5% (max)	ASTM D – 570/ISO 62
Tensile Strength	15 N/sqmm (min)	ASTM D – 412 / ISO 37
Ultimate Elongation	300% (min)	ASTM D – 412 / ISO 37
Longitudinal Change	±5%	QA/TP/51
Torching	No Split	QA/TP/07
Flammability	Flame Retardant	VW – 1 / UL 224
Thermal Ageing Tests (120 for 500 hours)		
Ultimate Elongation	200% (min)	ASTM D – 412 / ISO 37
Tensile Strength	10 N/sqmm (min)	ASTM D – 412 / ISO 37
Brittleness Temperature	-40°C (min)	ASTM D – 2671
Heat Shock (30 min, 200°C)	No Dripping or Cracking	ASTM D – 2671
Electrical Properties		
Dielectric Strength	20kV/mm (min)	ASTM D – 149 / IEC 243
Volume Resistivity	1x10 ¹⁴ Ohm-cm	ASTM D – 257 / IEC 93
Chemical Properties		
Fungus Resistance	1 (max)	ASTM G – 21
Chemical resistance immersion in following liquids NaOH (40%), H ₂ SO ₄ (3%), Toluene acetone for 24 hrs at room temperature	Good (no change in Appearance)	ISO 175

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