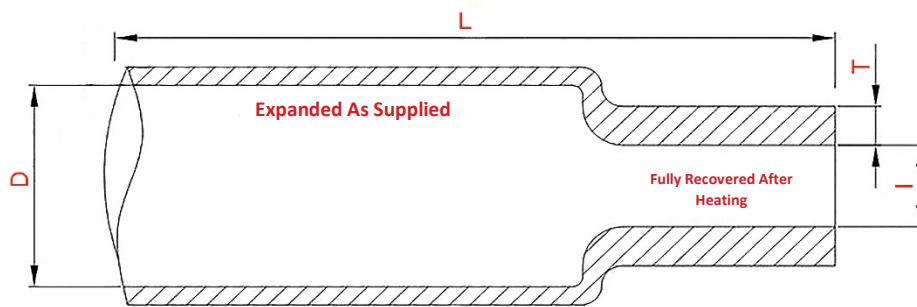


## RITTU 2:1

RITTU is 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.

**Features:**

- 2:1 shrink ratio
- Flame Retardant
- Excellent resistance to chemicals and solvents
- Excellent electrical properties
- Continuous operating temperature: -50°C to 125°C
- Available in long length reels



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

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

PRODUCT DIMENSIONS – RITTU 2:1 Series			
CODE	D		T
	E	S	S
	Min	Max	± 20%
RITTU 1.2/0.6	1.2	0.6	0.33
RITTU 1.6/0.8	1.6	0.8	0.36
RITTU 2.4/1.2	2.4	1.2	0.44
RITTU 3.2/1.6	3.2	1.6	0.44
RITTU 4.8/2.4	4.8	2.4	0.51
RITTU 6.4/3.2	6.4	3.2	0.56
RITTU 9.5/4.8	9.5	4.8	0.56
RITTU 12.7/6.4	12.7	6.35	0.65
RITTU 16/08	16	8	0.69
RITTU 19.1/10	19.1	9.6	0.80
RITTU 25/13	25.4	12.7	0.90
RITTU 32/16	31.8	15.9	1.02
RITTU 38/19	38.1	19.1	1.02
RITTU 51/25	50.8	25.4	1.14
RITTU 76/38	76.2	38.1	1.27
RITTU 101/51	101.6	50.8	1.40
RITTU 127/64	127	63.5	1.50

Standard Colour: Black

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

MATERIAL SPECIFICATIONS		
CHARACTERISTIC	VALUE	TEST METHOD
<b>Physical Properties</b>		
Water Absorption	0.5% (max)	ASTM D – 570 / ISO 62
Tensile Strength	15 N/mm <sup>2</sup> (min)	ASTM D – 412 / ISO 37
Ultimate Elongation	150% (min)	ASTM D – 412 / ISO 37
Longitudinal Change	±5%	QA/TP/51
Torching	No Splitting	QA/TP/07
Flammability	Flame Retardant	VW – 1 / UL 224
<b>Thermal Ageing Tests (120°C for 500 hours)</b>		
Ultimate Elongation	100% (min)	ASTM D – 412 / ISO 37
Tensile Strength	10 N/mm <sup>2</sup> (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
<b>Electrical Properties</b>		
Dielectric Strength	20kV/mm (min)	ASTM D – 149 / IEC 243
Volume Resistivity	1x10 <sup>14</sup> Ohm-cm	ASTM D – 257 / IEC 93
<b>Chemical Properties</b>		
Fungus Resistance	1 (max)	ASTM G – 21
Chemical resistance immersion in following liquids NaOH (40%), H <sub>2</sub> SO <sub>4</sub> (3%), Toluene and Acetone for 24 hrs at room temperature	Good (no change in appearance)	ISO 175

REPL reserve the right to update the information contained in this document at any time without notice. It is the users responsibility to ensure it is suitable for the intended application. Any implied warranty relating to fitness for a particular purpose are explicitly excluded unless agreed in writing by REPL.

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