

# RDW Dual Wall Flame Retarded Tube

## APPLICATIONS:

- Provides permanent waterproof barrier & environmental sealed for electrical connections
- Used as an alternative to molded parts and cable breakouts
- High shrink ratio enables insulation of cables with connectors of various sizes-Suitable for us in telecommunication, industrial equipment, automotive and avionics.



## GENERAL PRODUCT PROPERTIES:

- Shrink ratio of: 3 : 1
- Operating temperature ranges from -55 °C to +85 °C
- High flame retardant/self extinguishing properties
- Chemical, copper corrosion and fungus resistance
- Dielectric strength of 15KV/mm.
- ROHS Compliance

## SPECIFICATIONS:

Products properties and performance have been certified to conform to the following specifications stated below  
IEC, ASTM, AND MIL-SPEC

## Product Technical Data

PROPERTIES	TEST METHOD	TYPICAL VALUE
<b>Physical:</b>		
Tensile Strength	ASTM-D-638	12N/mm <sup>2</sup>
Water Absorption	ASTM-D-570	.15 %Max.
Elongation	ASTM-D-638	300%
Low Temperature Flexibility	ASTM-D-2671	-55 °C
Specific Gravity	ASTM-D-792	1.4
Longitudinal Change	ASTM-D-638	+/-10%
Flammability	ASTM-D-2671	3(Outer Wall)
<b>Thermal:</b>		
Operating Temperature	IEC216	-55°C to +125°C(Outer Wall)
Heat Shock@ 250 °C 4 hrs		No dripping, cracking or flowing(Outer Wall)
<b>Chemical:</b>		
Fungus Resistance	MIL-1-7444	Inert
Copper Corrosion	ASTM D 2671 B	XX
Chemical Resistance		XX
<b>Electrical :</b>		
Dielectric Strength	ASTM-D-2671	>15kV / mm
Dielectric Constant	ASTM-D-150	3.0 Max.
Volume Resistance	ASTM-D-257	10 <sup>14</sup> Ohm/cm

**Flamability:**

Not Self Extinguishing	1
Flame Retarded	2
Self Extinguishing	3

**Chemical Resistance and Copper Corrosion:**

X	Satisfactory
XX	Good
XXX	Excellent

The above information corresponds to our actual knowledge and are according to our knowledge is rendered correct and reliable. But they do not represent binding properties. Customers and end-users have to decide autonomously about application in the provided range. Under no circumstances is Red2go Pty Ltd liable for any eventual, indirect or consequential damages arising from the sales, resales, transfer, use or misuse of the product. Our Liabilities are limited to only in replacing products due to manufacturing defects.