

Product:

Heat Shrink – RDW Dual Wall Flame Retarded Tube

Applications:

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

General:

- Shrink ratio 3:1
- Flame retarded and self extinguishing
- Dielectric strength 15kV/mm
- Resistance to chemical, copper corrosion and fungus
- UV stabilised
- Operating temperature range -55°C to +85°C
- ROHS compliance

Specifications:

Products properties and performance have been certified to conform to the following specifications stated below.

IEC, ASTM, AND MIL-1-23053/5Class 2 & 3

Product Technical Data		
Properties	Test Method	Typical value
Tensile strength	ASTM-D-638	12 N/mm ²
Water Absorption	ASTM-D-570	0.15% 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	+/- 5%
Flammability	UL224 VW1	3 (Outer Wall)
Operating Temperature	IEC216	-55°C to +125°C (Outer Wall)
Heat Shock @ 250°C 4 hours	No dripping, cracking or flowing	(Outer Wall)
Fungus Resistance	MIL-1-7444	Inert
Copper Corrosion	ASTM-D-2671 B	Good
Chemical Resistance		Good
Dielectric Strength	ASTM-D-2671	>15kV/mm
Dielectric Constant	ASTM-D-150	3.0 Max
Volume Resistance	ASTM-D-257	10 ¹⁴ Ohm/cm

Heat Shrink Tube to Lay Flat Internal Dimensions			
Tube ID	Lay Flat ID	Tube ID	Lay Flat ID
4.8mm	7.7mm	18mm	28mm
6mm	10mm	24mm	37mm
9mm	15mm	39mm	61mm
12mm	18mm	52mm	80mm

Bus Bar	12mm	19mm	25mm	38mm	51mm
Thickness					
3.2mm	RDW12	RDW24	RDW24	RDW39	RDW52
4.8mm	RDW18	RDW24	RDW24	RDW39	RDW52
6.4mm		RDW24	RDW24	RDW39	RDW52
9.5mm		RDW24		RDW39	RDW52
12.7mm		RDW24			RDW52

Heat Shrink Diameter for Copper Lug or Link Barrel Insulation		
Red2Go Sleeve Part Number	Red2Go Lug Part Number	Heat Shrink Part Number
CS1.5	CL1.5	RDW4.8
CS2.5	CL2.5	RDW6
CS4	CL4	RDW6
CS6	CL6	RDW9
CS10	CL10	RDW9
CS16	CL16	RDW12
CS25	CL25	RDW12
CS35	CL35	RDW18
CS50	CL50	RDW18
CS70	CL70	RDW18
CS95	CL95	RDW24
CS120	CL120	RDW24
CS150	CL150	RDW24
CS185	CL185	RDW39
CS240	CL240	RDW39
CS300	CL300	RDW39
	CL400	RDW39
	CL500	RDW39
	CL630	RDW52

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 need to decide autonomously about the application of the product in the provided range. Under no circumstances is Red2Go Pty Ltd liable for any eventual, indirect or consequential damages arising from the sales, resale, transfer, use or misuse of the product. Our Liabilities are limited to only in replacing products due to any unforeseen specification variance.