



Heat Shrink Sleeving Dual Wall (RDW)

RDW Heat Shrink Sleeving is a dual wall, flexible electrical insulation sleeve that is self-extinguishing and flame retarded. It offers a 3 : 1 shrink ratio when exposed to heat, offers good dielectric strength, as well as physical protection of insulated wiring and components. This grade of sleeving shows high resistance to a range of chemicals, copper corrosion, and fungus. It is UV stabilised and used in applications where operating temperatures are between -55°C and 85°C.

RDW Sleeving is typically used in the telecommunication, automotive and avionics industries for wire harnessing and the bundling of cables. It can also be utilised to form a waterproof barrier and environmental seal for electrical applications, as well as an alternative to moulded parts and cable breakouts. The high shrink ratio of RDW sleeving ensures that cables and connectors of various sizes are insulated and bound tightly.

Technical Data:

Property:	Typical Value:	Test Method:
Shrink Ratio	3 : 1	---
Temperature Range (outer wall)	-55°C to 125°C	IEC 216
Operating Temperature Range	-55°C to 85°C	---
Low Temperature Flexibility	-55°C	ASTM D2671
Heat Shock at 250°C, 4 Hours	No dripping, cracking, or flowing (outer wall)	
Flammability	3 (outer wall)	UL224 VW1
Water Absorption	0.15% max	ASTM D570
Specific Gravity	1.4	ASTM D792
Tensile Strength	12 N/mm ²	ASTM D638
Elongation	300%	ASTM D638
Longitudinal Change	± 5%	ASTM D638
Dielectric Strength	>15 kV/mm	ASTM D2671
Dielectric Constant	3.0 max	ASTM D150
Volume Resistance	10 ¹⁴ Ohm/cm	ASTM D257
Copper Corrosion	Good	ASTM D2671 B
Fungus Resistance	Inert	MIL-1-7444

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Important

This information should not be treated as a substitute for specific technical advice. AG does not offer such advice and cannot warrant the performance or suitability of products for particular applications.

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Features and Benefits:

- Shrink ratio of 3 : 1
- Resists copper corrosion
- Excellent resistance to UV
- Dielectric strength of 15kV/mm
- Broad temperature range
- Resistant to chemicals and fungus
- Flame retardant
- Lightweight and flexible
- Self-extinguishing



Compliance:

- Certified and conforms to IEC, ASTM, MIL-1-23053/5 Class 2 & 3
- ROHS Compliant

Availability:

RDW Heat Shrink is available in black and red and diameters ranging from 3mm through to 39mm. Larger sizes and other colours are available on request.

Associated Gaskets also stocks a large range of specialised electrical products as well as rigid & flexible insulation materials. For more information on these products and many more, please visit our website or call your nearest AG branch.

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