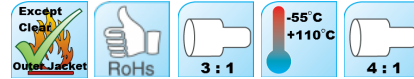


## DWA - Semi flexible, general purpose, adhesive lined, moisture proof, heat shrinkable tubing



### Features and Benefits

- Provides excellent environmental sealing
- 3:1 and 4:1 shrink ratios
- High strength bonding
- Operating temperature range  $-55^{\circ}\text{C}$  to  $+110^{\circ}\text{C}$
- UV Stable (Black only)



### Standard Colours & Colour Codes

Black - 0

Clear - X

### Applications

DWA is semi flexible, heat shrinkable tubing with meltable adhesive inner lining designed to provide moisture proof sealing to a wide range of substrates such as electrical wire splice, cable jackets, wire breakouts and electrical components.

The high shrink ratios mean that only seven sizes are required to cover a wide range of substrate diameters. Typical applications are environmental sealing of electrical components including wire splices and harness breakouts as well as sealing cable ends against moisture ingress.

Inside Diameter		Wall Thickness				Standard Package					
Expanded as supplied (min)	Recovered after heating (max)	Total Wall recovered after heating (nom)		Meltable wall recovered after heating (nom)		1:2 mm length quantity				Available in Spools or Sticks	
mm	mm	mm	mm	mm	mm	mtrs		Ordering Description			
3:1	4:1	3:1	4:1	3:1	4:1	3:1	4:1	3:1	4:1	3:1	4:1
3	4	1	1	1.00	1.00	0.5	0.5	36	36	DWA-3/1-colour code-SP	DWA-4/1-colour code-SP
6	8	2	2	1.00	1.00	0.5	0.5	36	36	DWA-6/2-colour code-SP	DWA-8/2-colour code-SP
9	12	3	3	1.40	1.40	0.6	0.6	36	36	DWA-9/3-colour code-SP	DWA-12/3-colour code-SP
12	16	4	4	1.75	1.75	0.7	0.7	24	24	DWA-12/4-colour code-SP	DWA-16/4-colour code-SP
19	24	6	6	2.25	2.25	0.8	0.8	24	24	DWA-19/6-colour code-SP	DWA-24/6-colour code-SP
24	32	8	8	2.50	2.50	1.0	1.0	24	24	DWA-24/8-colour code-SP	DWA-32/8-colour code-SP
40	52	13	13	2.50	2.50	1.0	1.0	12	12	DWA-40/13-colour code-SP	DWA-52/13-colour code-SP

The largest size which will recover snugly over the component to be covered should be ordered. The wall thickness of the tubing will be less than specified if recovery is restricted during shrinkage. Other lengths, sizes and non-standard colours may be available subject to special orders

Performance:	Test	Test Method	Test Requirement
	Min shrink temperature ratio		$+95^{\circ}\text{C}$
	Tensile Strength	ISO37	9MPa (min)
	Ultimate Elongation	ISO37	450% (min)
	Inner wall adhesion		60N/25mm (min)
	Heat shock	4h@225°C	Pass—No dripping, cracking or flowing
	Heat ageing	168h@150°C	Pass—No dripping, cracking or flowing
	Low temp	Flex 4h@-55°C	Pass—No cracking
	Dielectric strength	IEC 243	12MV/m (min)
	Fluid Resistance	24h @ 23°C	Tensile strength 7Ma(min) Ultimate Elongation 300% Inner wall adhesion 60N/25mm (min)
		Test fluids	Diesel fuel (BS 2689 Class A1) Hydraulic fluid (H-515) Lubricating Oil (0-149)

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