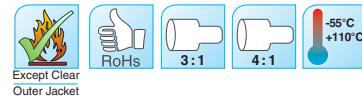


DWA - Semi flexible, general purpose, adhesive lined, moisture proof, heat shrinkable tubing.



Features & Benefits

- Provides excellent environmental sealing
- 3:1 and 4:1 shrink ratios
- High strength bonding
- Operating temperature range -55°C to +110°C

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 splices, 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°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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