

# DWFC Series

## Heat Shrink Tubing



### Features:

- Excellent mechanical strength
- Excellent abrasion resistance
- Excellent optical clarity
- Environmental sealing
- Shrink ratio 4:1



It is a flexible, heat-shrinkable, dual-wall tubing with an integrally bonded meltable adhesive inner liner designed to offer moisture proof encapsulation to a wide variety of substrates. Available in clear, DWFC offers excellent clarity for protection of substrates that may need to be inspected during service. The tough outer jacket gives excellent mechanical strength with a high resistance to splitting. The high shrinkage ratio means that only four sizes are needed to give protection to a full range of irregular shapes with widely varying dimensions

### Performance

| Test                                             | Test Method              | Test Requirement                                                                     |
|--------------------------------------------------|--------------------------|--------------------------------------------------------------------------------------|
| Minimum inner wall adhesion<br>DWFC to aluminium | -                        | 60 N / 25 mm                                                                         |
| Heat shock                                       | 4 Hours at 200°C         | Pass - no dripping, cracking or flowing of outer wall                                |
| Heat ageing                                      | 168 Hours at 120°C       | -                                                                                    |
| Low temperature flexibility                      | 4 Hours at -55°C         | Pass - no cracking                                                                   |
| Fluid resistance                                 | 24 Hours at 23°C, ISO 37 | Minimum tensile strength : 15 MPa<br>Minimum ultimate elongation : 200%              |
|                                                  | Test fluids              | Diesel fuel (BS 2869 Class A1)<br>Break fluid (H - 515)<br>Lubricating oil (0 - 149) |

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Specification Table

| Inside Diameter                        |                                           | Wall Thickness                                          |                                                             | Length<br>(m) | Part Number     |
|----------------------------------------|-------------------------------------------|---------------------------------------------------------|-------------------------------------------------------------|---------------|-----------------|
| Minimum Expanded<br>as Supplied<br>(D) | Maximum Recovered<br>After Heating<br>(d) | Nominal Total Wall<br>Recovered After<br>Heating<br>(W) | Nominal Meltable Wall<br>Recovered After<br>Heating<br>(W1) |               |                 |
| 4                                      | 1                                         | 0.8                                                     | 0.25                                                        | 1.2           | DWFC-4/1-X-4FT  |
| 8                                      | 2                                         | 0.9                                                     |                                                             |               | DWFC-8/2-X-4FT  |
| 12                                     | 3                                         | 1.2                                                     | 0.4                                                         |               | DWFC-12/3-X-4FT |

Dimensions : Millimetres (Unless Specified)

**Note:**

The wall thickness of the tubing will be less than specified if recovery is restricted during shrinkage

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