

DWFC Series Dual Wall Polyolefin Heat-Shrink Tubing

pro-POWER



Description

DWFC series 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 shrink ratio means that only three sizes are needed to give protection to a full range of irregular shapes with widely varying dimensions

Features

- Excellent mechanical strength
- Abrasion resistance
- Excellent optical clarity
- Environmental sealing
- Shrink ratio 4:1
- Dual wall - Polyolefin tubing with polyamide adhesive
- Not flame retarded but meets FMVSS302 horizontal burn rate 100mm/min max.

Specifications

Electric Strength : 20MV/m min
Operating Temperature Range : -55°C to +75°C
Min. Shrink Temperature : 60°C
Min. Full Recovery Temperature : 100°C

Performance

Test	Test Method	Test Requirement
Minimum inner wall adhesion 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	Min. tensile strength : 15 MPa Min. ultimate elongation : 200%
	Test fluids	Diesel fuel (BS 2869 Class A1) Break fluid (H - 515) Lubricating oil (0 - 149)

www.element14.com
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Specification Table

Part Number	Inside Diameter		Wall Thickness		Length (m)
	Minimum Expanded as Supplied (D)	Maximum Recovered After Heating (d)	Nominal Total Wall Recovered After Heating (W)	Nominal Adhesive Wall Recovered After Heating (W1)	
DWFC-4/1-X-4FT	4	1	0.8	0.3	1.22
DWFC-8/2-X-4FT	8	2	0.9		
DWFC-12/3-X-4FT	12	3	1.2	0.4	

Dimensions : Millimetres

Note:

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

Part Number Table

Description	Part Number
Adhesive Lined Heat Shrink Tubing, Dual Wall, Transparent	DWFC-4/1-X-4FT
	DWFC-8/2-X-4FT
	DWFC-12/3-X-4FT

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