

Composite Hose - Fire Resistant

Composite Hose - FireSafe

Part No.: CH-FIRESAFE

Colour: Red / White Stripe

Inner Wire: Galvanised Steel

Reinforcement: Polypropylene Fabric and Films

Outer Wire: Galvanised Steel

Crimping: Swagged or Wire Whipped

Size Available: 1" - 4"

(Larger sizes upon Request)

Temperature: -20°C +80°C

Low | Med | High

Flexibility ☐ ☐ ☒

Cycle Life ☐ ☐ ☒

Pressure Rating ☐ ☒ ☐

Chemical Resistance ☐ ☒ ☐

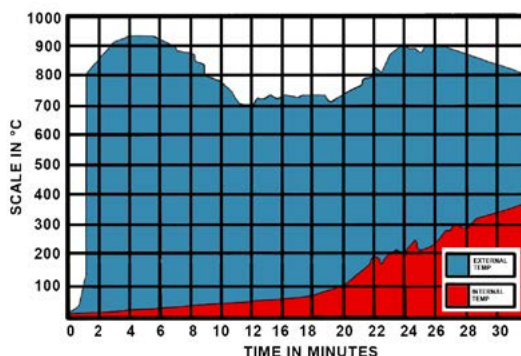
Wall Thickness ☐ ☐ ☒

Construction

Use:

FIRESAFE composite hose utilizes a series of non asbestos barriers to conduct and radiate heat to achieve outstanding fire retardant ability. Rigorous testing by an independent agency has proven FIRESAFE hose still intact and capable of holding product after thirty (30) minutes of severe fire attack. The internal versus external temperature during this test showed an extremely low heat transfer rate maintaining an internal temperature of below 200 degrees Celsius with an external temperature over 800 degrees Celsius. Even after loss of integrity, FIRESAFE hose will not fail catastrophically.

These characteristics coupled with better torque resistance and abrasion resistance compared to metallic flexible hose, make this a viable alternative for bottom loading/ drop hoses.



Applicable Standards

BSEN13765:2010

Approved and Tested by:

British Government Department of the Environment

British Fire Research Station

Swedish Fire Service

Specifications

Part Number	Nominal Dia.		Max. Working Pressure		Max. Burst Pressure		Min. Bend Radius	Weight Per Mtr
	Inches	I.D (mm)	kPa	psi	kPa	psi	mm	kg.
CH-FIRESAFE-25	1"	25	1400	203	5600	812	100	0.8
CH-FIRESAFE-40	1 1/2"	38	1400	203	5600	812	140	1.2
CH-FIRESAFE-50	2"	50	1400	203	5600	812	180	1.9
CH-FIRESAFE-75	3"	75	1400	203	5600	812	280	2.5
CH-FIRESAFE-100	4"	100	1400	203	5600	812	395	5.2

Safety Factor: 4:1 Standard Duty. (Burst Pressure: Working Pressure)

Applications

