

## 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

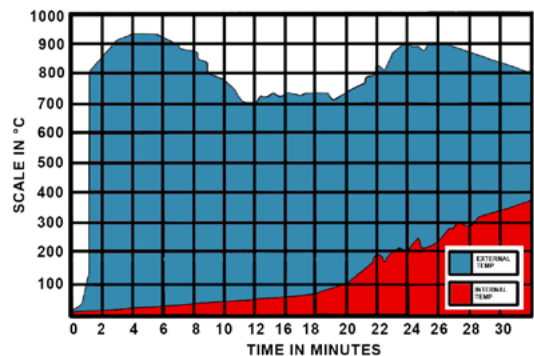
	Low   Med   High
Flexibility	<input type="radio"/> <input type="radio"/> <input checked="" type="radio"/>
Cycle Life	<input type="radio"/> <input type="radio"/> <input checked="" type="radio"/>
Pressure Rating	<input type="radio"/> <input checked="" type="radio"/> <input type="radio"/>
Chemical Resistance	<input type="radio"/> <input checked="" type="radio"/> <input type="radio"/>
Wall Thickness	<input type="radio"/> <input type="radio"/> <input checked="" type="radio"/>

### 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

