



Key Features

EN54-22 Approved by VdS



Robust Construction



Wide Temperature Range



Resettable Heat Detection



Versatile Installation



Overview

The FyreLine Resettable LHD system provides a robust and reliable fire protection solution. It consists of a heat-sensitive cable, a controller, and an end-of-line unit, offering comprehensive overheat protection for a wide range of applications, including power generation and oil and gas industries.

The Stainless Steel braided Sensing Cable is an advanced heat detection cable engineered for fire protection in demanding environments. Its stainless steel braid provides superior mechanical strength and abrasion resistance, ensuring durability in challenging conditions.

A key advantage lies in its wide operating temperature range, allowing users to set precise alarm and pre-alarm thresholds to suit specific environmental conditions. This flexibility makes it suitable for various settings, from data centers to critical infrastructure, ensuring reliable and customisable heat detection.

Tech Specs

VdS Model Number	FyreLine Resettable LHD Cable, Stainless Steel Braided, 54°C to 100°C
UL Model Number	-
Construction	Overall insulated, 4-core twisted with 100% coverage foil-shield and shield dump wire
Final Insulation	Stainless Steel braid (min. 70% coverage)
Wire Overall Diameter	5.33mm (0.210 in)
Weight	39.3
Colour	Silver

Minimum Bend Radius	75mm (3 in)
Maximum Ambient Temperature	Dependent upon Alarm Temperature
Minimum Ambient Temperature	-40°C
Maximum Recoverable Temperature	+125°C
Continuous Operating Humidity Range	ambient temperatures between -40°C to +40°C : 0% to 99% RH ambient temperatures greater than +40°C) : 0% to 75% RH
Minimum Zone Length	Class A1I/A2I and 54°C alarm settings : 50m / 164ft all other alarm settings: 30m / 100ft
Maximum Zone Length	500m / 1640ft
EN54-22 Environmental Group	II
White Core Resistance Per Metre	Approx 17 Ω/m
Red Core Resistance Per Metre	Approx 3.3 Ω/m
Clear Core Resistance Per Metre (each)	Approx 0.1 Ω/m
Features	Stainless Steel braid for increased mechanical toughness and abrasion resistance. Suitable for indoor outdoor use with limited exposure to direct sunlight and not exposed to harsh chemicals.

Chemical Resistance

These ratings are given as a guide and for constant, complete exposure to the chemicals listed. Shown at normal (10°C to 30°C) temperatures. (* - not recommended, ***** - little or no impact)

Ammonia, Liquid / Gas	*****
Ammonia Nitrate	*****
Butane	*****
Copper Nitrate	*****
Fuel Oils	*****
Gasoline	*****
Hydrofluoric Acid	*
Methyl Ethyl Ketone	*****
Diesel Fuel	*****
Ethyl Alcohol	*****
Ethanol	*****

Ordering Information

Part Number	Model Number	Product Description
18-540	FLR100-SSB	FyreLine Resettable LHD Cable, Stainless Steel Braided, 54°C to 100°C, 100m
18-541	FLR100-SSB	FyreLine Resettable LHD Cable, Stainless Steel Braided, 54°C to 100°C, 250m
18-542	FLR100-SSB	FyreLine Resettable LHD Cable, Stainless Steel Braided, 54°C to 100°C, 500m