

FYRELINE RESETTABLE LINEAR HEAT DETECTION



fyreline
RESETTABLE

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KEY FEATURES



RESETTABLE DESIGN



EN54-22 APPROVED BY VDS



CLEAR AND SAFE CONNECTIONS



EASY INSTALLATION



UL 521 APPROVED



MODBUS AND REMOTE RESET OPTIONS AVAILABLE



SECURE AND WEATHERPROOF



VERSATILE CONNECTIVITY



PRE-ALARM AND ALARM CONDITIONS



WIDE TEMPERATURE RANGE



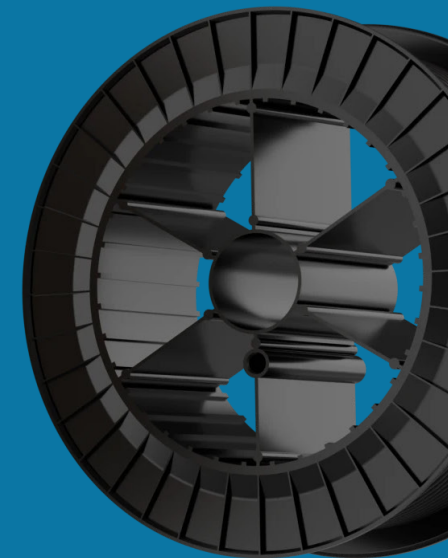
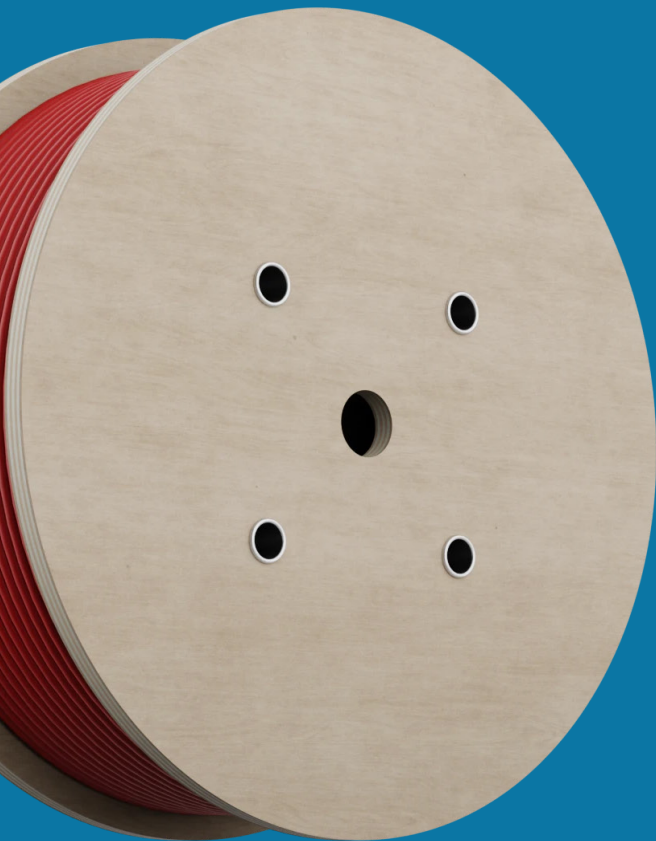
OVERVIEW



The FyreLine Resettable Linear Heat Detection (LHD) system is a comprehensive fire protection solution, consisting of a heat-sensitive cable, controller, and an end-of-line unit.

This system is designed to provide reliable overheat protection for a wide range of applications, including power generation and oil and gas industries

By continuously monitoring temperature changes along the cable, it offers early detection of potential fire hazards, enabling prompt response and minimizing damage.



HOW DOES IT WORK?



Heat-Sensitive Cable Detection : The FyreLine Resettable LHD system employs a heat-sensitive cable to identify overheating or fire occurrences.



Controller Monitoring: The system's controller continuously tracks the cable's resistance. As temperature increases, the cable's resistance diminishes.



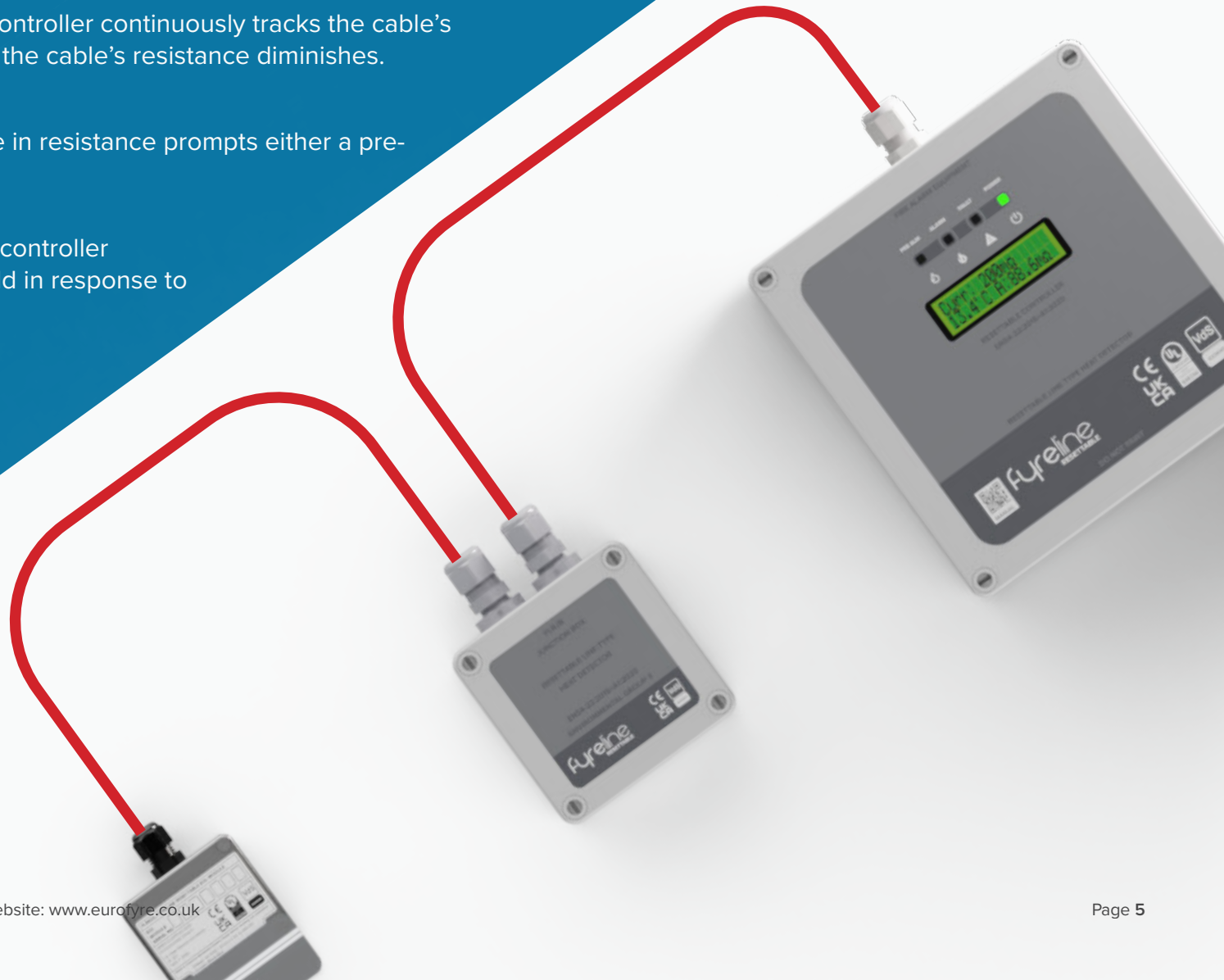
Alarm Triggering: A significant change in resistance prompts either a pre-alarm or a full alarm signal.



Adaptive Threshold Adjustment: The controller dynamically adjusts the alarm threshold in response to variations in ambient temperature.



Critical Setup: Proper installation and configuration are essential for optimal system performance and reliable fire protection.



TYPICAL APPLICATIONS

CABLE TRAYS

SOLAR PANEL

FLOATING AND FIXED ROOF TANKS

TUNNELS

CAR PARKS

ESCALATORS

WAREHOUSE RACKING

BARNS AND STABLES

SHIPS AND MARINE

CONTROLLER & EOL SWITCH

FYRELINE RESETTABLE
CONTROLLER
18-502, FLRC

MODBUS
COMMUNICATION

USER-FRIENDLY
DISPLAY


FYRELINE RESETTABLE
EOL MODULE
18-503, FLREOL

UL-521 AND EN54-22
APPROVED


IP65-RATED
ALUMINIUM HOUSING



CABLE TYPES

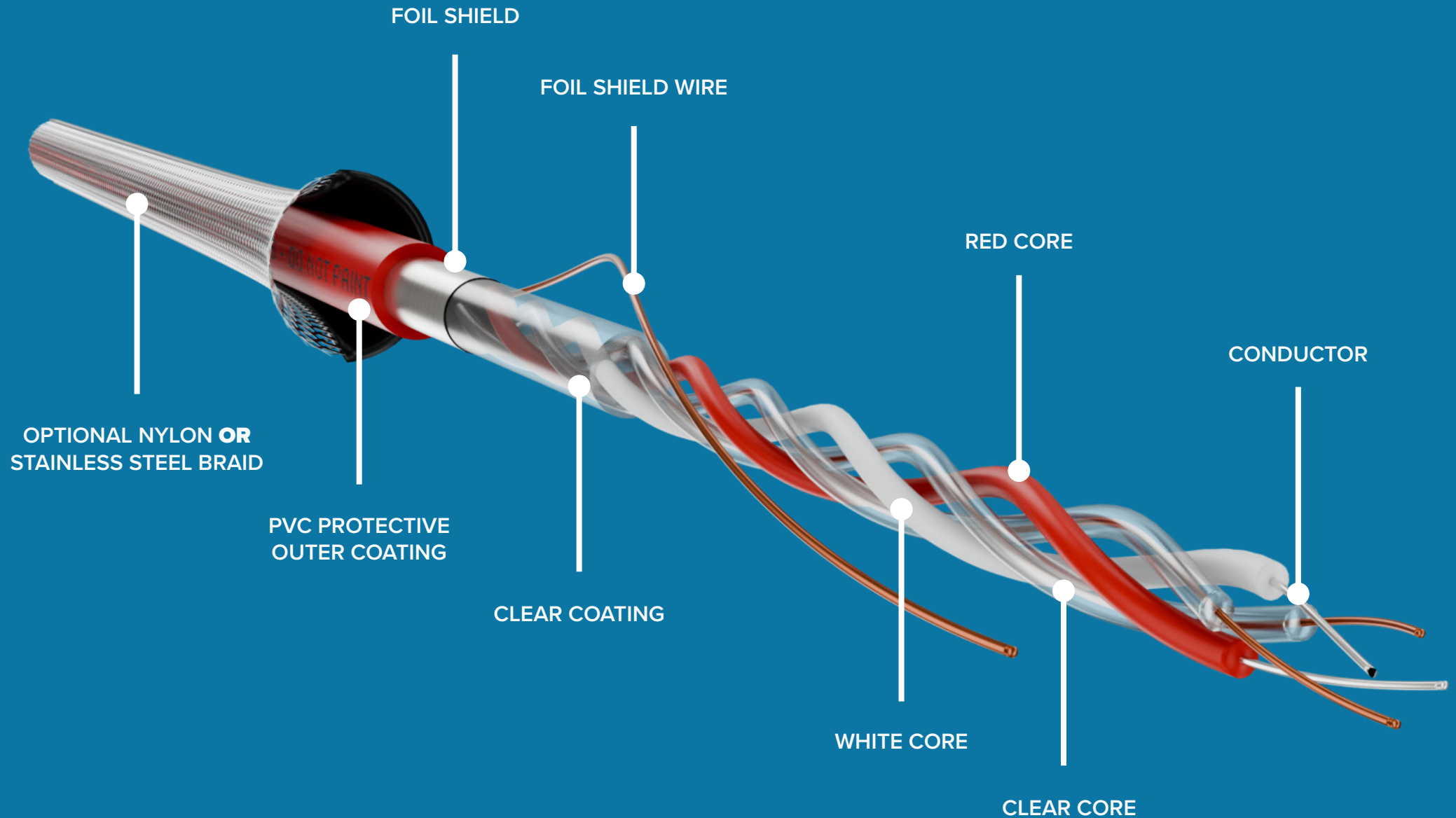
 **PVC LHD Cable:** This versatile cable is suitable for both indoor and outdoor use, offering flexibility and durability.

 **Nylon Sensing Cable:** Resistant to UV radiation and hydrocarbons, this cable is ideal for both indoor and outdoor installations

 **Stainless Steel Braided Sensing Cable:** Designed for demanding environments, this cable provides superior mechanical strength and abrasion resistance.

All cable types offer a wide operating temperature range, enabling precise alarm and pre-alarm threshold settings for tailored heat detection in diverse applications, from data centers to critical infrastructure.

CABLE CONSTRUCTION



CHEMICAL RESISTANCE

CHEMICAL	PVC	NYLON	STAINLESS STEEL
Ammonia, Liquid / Gas	★★★★★	★★★★	★★★★★
Ammonia Nitrate	★★★★★	★	★★★★★
Butane	★★★★	★★★★★	★★★★★
Copper Nitrate	★★★★★	★	★★★★★
Fuel Oils	★★★★★	★★★★★	★★★★★
Gasoline	★★★★	★★★★★	★★★★★
Hydrofluoric Acid	★★★★	★	★
Methyl Ethyl Ketone	★	★★★★★	★★★★★
Diesel Fuel	★★★★★	★★★★★	★★★★★
Ethyl Alcohol	★★★★	★★★★★	★★★★★
Ethanol	★★★★	★★★★★	★★★★★

MOUNTING CLIPS & ACCESSORIES

STAINLESS STEEL CABLE TIE
18-322

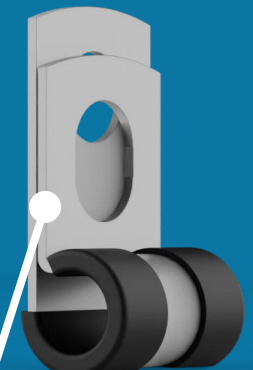


STAINLESS STEEL J-CLIP
18-318



FYRELINE RESETTABLE
JUNCTION BOX
18-501, FLRJB

STAINLESS STEEL P-CLIP
18-363 TO 18-364





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