



Key Features

ATEX approved



Automatic cable reeler



Supports FyreLine Digital LHD cable



Floating roof solution



Stainless steel 316



Overview

A rim seal fire detection system using digital heat detection cable can be installed at the edge of the rim seal of a floating roof tank. An automatic cable reeler provides the electrical connection between LHDC and control panel and accommodates the rise and fall of the floating roof.

The automatic cable reeler is installed at the top of the tank with the cable connected to the junction box located on the floating roof. The automatic cable reeler adjusts for the movement of the roof, uncoiling cable when the level falls, and winding the cable when the level rises. This can also be used on a storage tank with fixed roof and internal floating roof with alternative mounting arrangements.

The mechanism is enclosed within a stainless steel 316 cabinet. The 4 core connecting cable has a length of 23m and is resistant to chemical and high temperatures. A removable plate allows inspection.

Tech Specs

Dimensions (W x H x D)	450mm x 400mm x 150mm
Weight	25kg
Enclosure	AISI 316 Stainless Steel
Internal Spring	Carbon Steel
Internal Mechanism	AISI 316 Stainless Steel
Cable Type	AISI 316 Stainless Steel
Weight	4 x 1mm ² Conductors at 23m Length

Tech Specs

Resistance	19.5/Km (0.45 at 23m)
Capacitance	80nF/Km (1.84nF at 23m)
Inductance	0.9mH/Km (20.7μH at 23m)
Insulation Resistance	0.035 MOhm
Operating Voltage	48V Max.
Junction Box	AISI 316 Stainless Steel Ex ia IIC
Operating Temperature	-40°C to +60°C

Ordering Information

Part Number	Description
18-350	Automatic Cable Reeler