

# **ProReact** Digital Fixed Temperature Linear Heat Detection Cable

## Very High Temperature LHD

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### Product Specifications



# Technical Data

## Overview

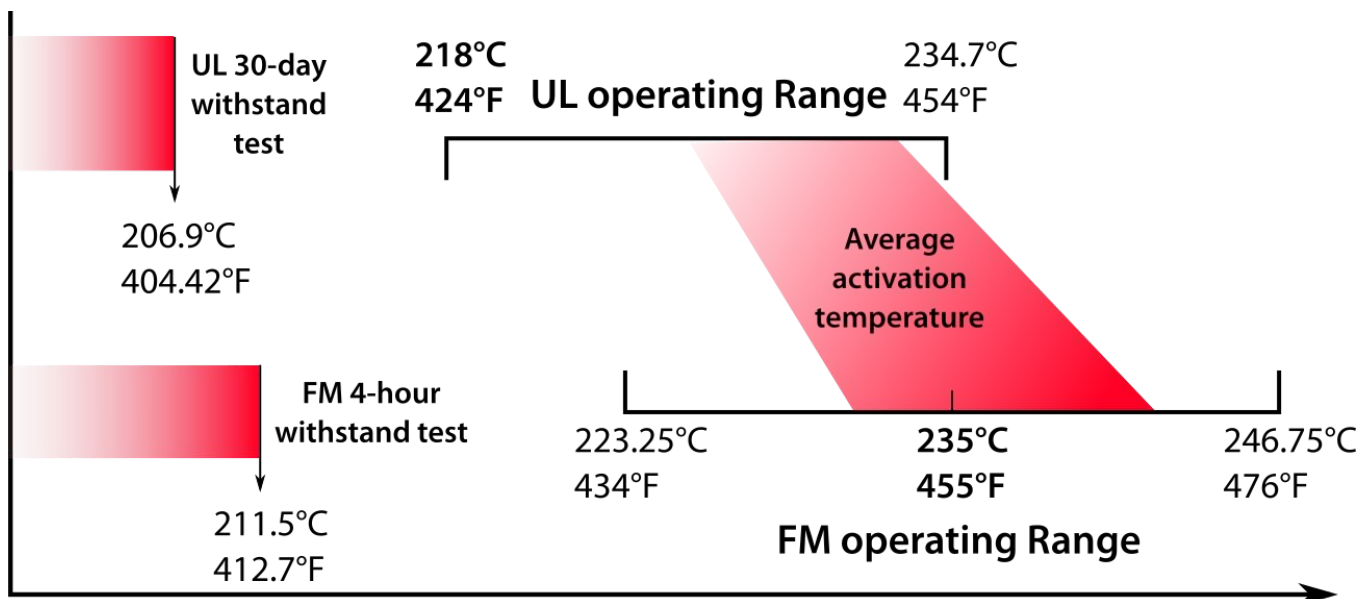
<b>Construction</b>	Overall insulated, twisted pair of tri-metallic cores
..Inner Coating	Very high temperature polymer
..Outer Coating	Silicone Rubber
<b>Insulation</b>	5kV tested protective outer coat
<b>Additional Insulation Options</b>	Stainless Steel Braiding
<b>Pending Approvals</b>	UL 521 and FM Class 3210, CE, RoHS Compliant
<b>Colour</b>	Green (in accordance with NFPA 72 & UL 521)
<b>Maximum Zone Length</b>	1,000m (3,280ft) (max individual reel length 500m/1640ft)
<b>Wire Overall Diameter</b>	5.00mm +/- 0.1mm (0.196" +/- 0.04")
..with additional Stainless Steel Braid	5.50mm +/- 0.1mm (0.216" +/- 0.04")
<b>Minimum bend radius</b>	63.5mm (2.5")
<b>Weight</b>	42.50 kg per km
..with additional Stainless Steel Braid	55.50 kg per km

## Temperature

<b>Continuous Ambient Temperature Range</b>	-40°C (-40°F) to +170°C (338°F)
<b>Activation Temperature</b>	UL - 218°C (424°F), FM - 235°C (455°F)

## Electrical

<b>Max Voltage Rating</b>	100Vdc, 70Vac
<b>Resistance</b>	~100Ω/km (29Ω/kft) per leg



## Chemical Resistance Data (other coatings for comparison)

Chemical	PVC	Nylon	Polypropylene	Silicone
Ammonia, Liquid	•••••	•••	•••••	•••
Butane	•••••	•••••	•	••
Copper Nitrate	•••••	•	•••••	•••••
Fuel Oils	•••••	•••••	•••	•••
Gasoline	••	•••••	••	•••
Hydrofluoric Acid	•	•	•••••	•
Kerosene	•••••	•••••	•	•••
Diesel Fuel	•••••	•••••	•••••	•••
Acetic Acid	••	•	•••••	•••••