



Proline

Digital Linear Heat Detection Cable

TH218

Product Specifications

Technical Data

Overview

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

Temperature

Continuous Ambient Temperature Range	-40°C (-40°F) to +170°C (338°F)
Activation Temperature	218°C (424°F)

Electrical

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

Model Nos

TH218	Proline Digital TH218 (UL approved)
TH218SS	Proline Digital TH218 with Stainless Steel Braid (not UL approved)



Chemical Resistance Data (other coatings for comparison)

Chemical	PVC	Nylon	Polypropylene	TH218 Silicone
Ammonia, Liquid	•••••	•••	•••••	•••
Butane	•••••	•••••	•	••
Copper Nitrate	•••••	•	•••••	•••••
Fuel Oils	•••••	•••••	•••	•••
Gasoline	••	•••••	••	•••
Hydrofluoric Acid	•	•	•••••	•
Kerosene	•••••	•••••	•	•••
Diesel Fuel	•••••	•••••	•••••	•••
Acetic Acid	••	•	•••••	•••••