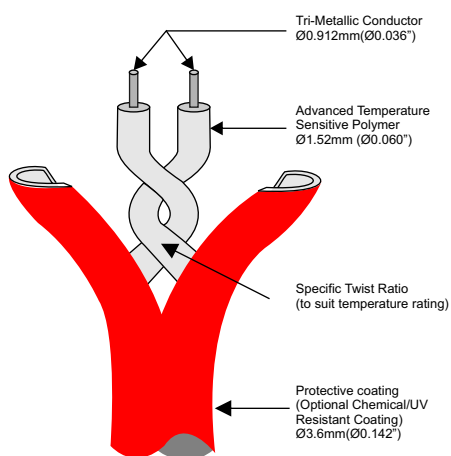


# DIGITAL LINEAR HEAT DETECTION (LHS) CABLE



Linear Heat Detection Cable consist of a twisted pair of extremely low resistance tri metallic conductors, coated in advanced temperature sensitive thermal polymers which is chemically engineered to breakdown at particular fixed temperatures allowing the twisted conductors to make contact and initiate an alarm at the control panel. This linear cable can detect a fire anywhere along its entire length.

The proper temperature model must be chosen to provide the fastest alarm response to a potential fire conditions without creating false alarm conditions as it's a co-axial cable which exerts a defined change in electrical resistance of internal polymer when subjected to changes in surface temperatures. Fault indication of open and short circuit condition on the sensor cable can be provided by system monitoring through an associated electronic interface unit.

## SPECIFICATIONS

Construction	: Dual Insulated, twisted pair tri-matellc cores
Insulation	: 1.1 Kv tested Advance Thermal Polymers
Overall Armouring (Optional)	: Stainless steel wire braiding
Wire Overall Diameter	: 3.60 mm (Approx)
Minimum Bending Radius	: 50 mm > 0 Deg C 100 mm < 0 Deg C
Ambient Temperature	: -68 °C to 78 °C version -88 °C to 105 °C version
Maximum Rated Voltage	: 30 Vac /42 Vdc
Resistance	: 100 Ohm/Km
Maximum Zone Length	: 3000 mtr
Capacitance	: 88-150 pF/mtr
Inductance	: 540-1050 H/mtr
Outer Color	: Red for 68 °C Yellow for 78 °C Light Green for 88 °C Dark Green for 105 °C
Available	: 200 / 300 / 500 Mtr Length

## Applications

- Tunnels
- Mining
- Manufacturing
- Warehousing
- Cold Stores
- Communications & General Industries

## Industry Application

- Cable Trays
- Conveyor Belts
- Rack Storage
- Floating Roof Storage Tanks
- Refrigerated storage
- Pipelines
- Power equipments Switchgear, transformer, motors and fans