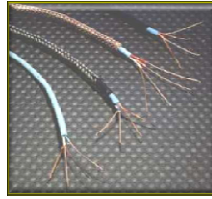




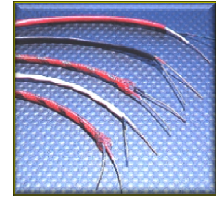
Digital & Analogue Linear Heat Detection

- Seagull LHD (Linear Heat Detector) is a cable type sensor capable of detecting heat from a fire over its entire length
- Suitable for open area as well as proximity detection.
- Also ideal for confined areas or harsh environments which prohibit the use of other forms of detection
- Compatible with any fire control panel that is capable of accepting contact closure type initiating devices
- Simple and cost effective installation



SEAGULL LHD ANALOGUE

Averaging Temperature Detector



SEAGULL LHD DIGITAL

Fixed Temperature Detector

SEAGULL LHD - DIGITAL

- FM approved with up to 20 feet between parallel runs.
- Two core cable.
- Fixed temperature detection - insulation designed to melt at a specific temperature enabling the two inner cores to short circuit
- Five different alarm temperature cables available.
- Monitoring equipment detects the short circuit and activates its alarm sequence.

Cable Construction



Conductor:

Tinned copper covered steel

Insulation:

Temperature Sensitive, Thermoplastic or Fluoropolymer

Outer Sheath:

PVC, Nylon or Fluoropolymer entire length.

Seagull LHD - Digital Cable Type	Material	Max. Ambient Storage Temp.	Min. Operating Temp.	Alarm Temperature	Flame Detection	Applications
Type SS7640N	Black nylon outer sheath	45°C	-40°C	68°C	5sec (max.)	Internal & External applications
Type SS7645N	Black nylon outer sheath	45°C	-40°C	85°C	5sec (max.)	Internal & External applications
Type SS7628	Black PVC outer sheath	70°C	-30°C	105°C	12sec (max.)	Excluding areas contaminated by chemical agents
Type SS7669	Red PVC outer sheath	105°C	-40°C	176°C	20sec (max.)	Excluding areas contaminated by chemical agents
Type SS7650	White fluoropolymer outer sheath	200°C	-50°C	241°C	20sec (max.)	For high ambient temperatures or protection against chemical agents



SEAGULL SAFETY

Digital & Analogue Linear Heat Detection

SEAGULL LHD - ANALOGUE

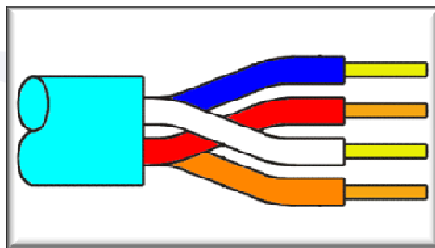
- FM Approvals – Class I, Division 1, Groups A, B, C, D / Class II, Division 1, Groups E, F, G / Class III, Division 1.
- Maximum Spacing between parallel runs, 30 feet.
- Multi-conductor cable containing insulators whose resistance varies proportionately to changes in temperature
- Re-settable provided temperature does not exceed 125°C
- Alarm temperature adjusted via controller
- Allows testing without damaging cable

CABLE TYPES

- Standard blue - SS85017
- Non-corrosive atmospheres
- Mechanical damage unlikely
- Nylon extruded - SS85021
- Chemical protection
- Bronze braided - SS85078
- Mechanical protection
- Stainless Steel braided over nylon extruded cable - SS85166 (not FM approved)
- Mechanical and Chemical protection

CABLE CONSTRUCTION

- 4 conductor 26 AWG solid copper
- Two conductors for heat sensing
- Two conductors for continuity
- Twisted at 30 turns per foot to cancel potentially high voltage inductance



Continuity monitoring

Resistance (Temperature sensing)

IMPORTANT! Always ensure the varnish coating is removed from the Orange and Red wires before termination.



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