

 Our Clients



aci

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UL Listed LHS
Cables



aci
We serve to save



ALANKAR
CABLE INDUSTRIES (Since-1971)

CEO GREETING

We want to be the best in business by increasing customer satisfaction & providing innovative product and services that are less harmful to environment, serves society helps in life saving.



ARUN KOHLI
Chief Executive Officer
For Alankar Cable Industries, Delhi

Research & Development Innovations

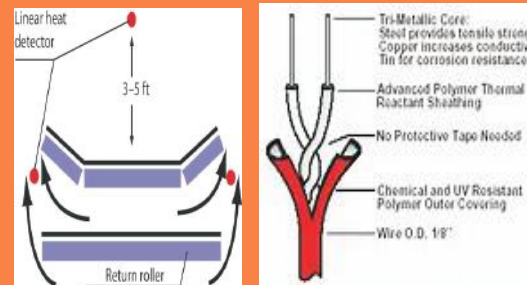
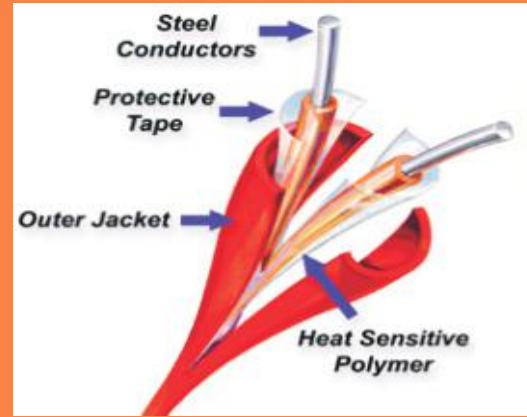
- 1996 : Started R & D work for indigenous development & commercialization of halogen free wires & cables.
- 2005 : Successfully Indigenized Halogen free wires & cables for Indian market.
- 2008 : Successfully developed Indigenized and started commercial production of fire survival cables with halogen free construction.
- 2008 : Exported 50 Kms of Fire survival cables for prestigious oil jetty project in Mauritius.
- 2009 : Started R & D work on Nuclear Radiation Resistant wires & cables (Under Development).
- 2010 : Successfully developed and supplied indigenized Marine and Offshore Halogen free cables as per IEC specifications.
- 2011 : Successfully developed and supplied indigenized LFH Marine and Offshore Halogen free cables as per Def-Stan-61-12 specifications.
- 2012 : Successfully developed and supplied indigenized under sea cables for Desalination Plant.
- 2013 : R & D work going on for development of fire survival cable that can withstand All three fire testing as per Category C, W & Z on same cable. Soon we are going to file a patent for this invention.
- 2013 : R & D work going on for development of fire survival cable that can with-stand and work during hydrocarbon fire of 1200°C. Soon we are going to file a patent for this invention.
- 2014 : Successfully introduced Digital LINEAR HEAT SENSING (LHS) CABLES
- 2015 : Got European approvals for (LHS) Cables
- 2016 : Successfully Certified UL listed LHS Cables.

Linear Heat Sensing (LHS) Cable

Linear Heat Detection (LHD) cable or Linear Heat Sensing cable is a line-type form of fixed temperature heat detection used in common commercial and industrial environments. This linear cable can detect a fire anywhere along its entire length and is available in multiple temperatures. Our linear heat sensing cable provides a flexible durable and cost of effective form of fire detection with a wide range of commercial and industrial fire and overheats risk.

Specification

- Twin-conductor switching heat sensing cable.
- Effective monitoring at precise point of risk.
- Economical, reliable and durable detection
- Simple and easy to install
- Applied where other types of fire detection are unsuitable
- Environmental -65°C to +200°C
- 5 detection temperature ranges from 68°C to 238°C
- Simple interface to any BS5839 system
- Fully monitored
- Full range of installation accessories available various outer sheath options.



Applications

- Car Parking
- Escalators
- CabelTunnels
- Moving Walkways
- Cable Tray
- Conveyor Belt

Types of (Digital) Linear Heat Sensing Cable

S.No.	Part No	Maximum ambient temperature (Degree C)	Alarm Temperature (Degree C)
1.	ACI LHS 68-155	45	68
2.	ACI LHS 78-172	50	78
3.	ACI LHS 88-190	70	88
4.	ACI LHS 110-230	70	110
5.	ACI LHS 138-280	100	138
6.	ACI LHS 180-356	110	180
7.	ACI LHS 227-440	150	227

Fire Survival Cable

We offer ideal fire survival cables to be used as fire alarm cables, power cables, control cables telecom cables & data cables. These fire survival cables are in zero halogen/ halogen free compositions.



Standards & Application

Standards	BS: 7629, BS: 5839, BS: 7846 Cat F 2 BS: 6387 CAT C, W & Z IEC 332-3 IEC 331, IEC 60754, BS EN 50267, BSEN 50268
Application	Intended for use in interunit and interpanel connections of Electrical & Electronics Equipments for Commercial & Residential Buildings Mass Rapid Transportation Systems Underground Metro Rails & Stations Where Fire Survival (Circuit Integrity) Properties are required.

PERFORMANCE DATA

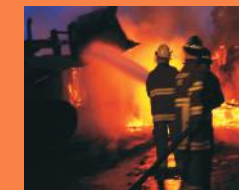
Fire Survival Cable-Performance Data for Armoured & Unarmoured	Cat "C" BS6387	Cable Shall Withstand 950 ⁰ Deg For 3 HRS As Per Clause D.2 (BS6387)
	CAT "W" BS6387	Cable Shall Withstand 15 Minutes At 650 ⁰ Deg Fire & After That 15 Minutes of Water Spray As Per Clause D.3 (BS6387)
	CAT "Z" BS6387	Cable Shall Withstand 950 ⁰ Deg Fire & After That 15 Minutes & Shall Have Resistance To Mechanical Shock As per Clause D.4 (BS 6387)
	CAT "B" BS6387	Cable Shall Withstand 750 ⁰ Deg For 3 HRS As Per Clause D.2 (BS6387)
	CAT "S" BS6387	Cable Shall Withstand 20 Minutes At 950 ⁰ Deg Fire & As per clause D.2 (BS6387)
	CAT "X" BS6387	Cable Shall Withstand 650 ⁰ Deg For 15 Minutes & Shall Have Resistance to Mechanical Shock As per Clause D.4 (BS6387)



Halogen Free Cable

Low smoke zero halogen cable reduces the amount of toxic and corrosive gas emitted during combustion. This type of material is typically used in poorly ventilated areas such as aircraft, rail cars or ships. It is also used extensively in the railroad industry, wherever high voltage or track signal wires must be run into and through underground tunnel systems. This reduces the chance of toxic gasses accumulating in these areas should the wires be damaged by fire or a short circuit fault. Low smoke zero halogen is becoming very popular and, in some cases, a requirement where the protection of people and equipment from toxic and corrosive gas is critical like in the railway industry and shipbuilding industry.

E-beam Cables: We are in process of enhancing our capabilities, working on e-beam irradiated halogen free cables. Soon will offer e-beam cables for railways & marine Industry, which require highly sophisticated thin wall



Compare with PVC

PVC (Polyvinyl Chloride) often called, vinyl' is the second most commonly used plastic in the World. It is also the most harmful to the environment. PVC is one of the world's largest toxic sources.

We at Alankar Cable Industries have been undertaking in-house research and testing to develop an eco-friendly thermoplastic material which should replace PVC is the very near future. Due to our persistent efforts, we have been able to manufacture HALOGEN FREE wires and cables, thereby replacing conventional PVC wires and cables with better and cohesive physical and electrical properties which also offers more life span. HALOGEN FREE



FEATURES OF HALOGEN FREE

- Good Flame Retardant
- Minimal smoke and toxicity
- Environment Friendly
- Lead Free
- Halogen Free
- Sulphur

