

FIRE SURVIVAL CABLES



Application

Finds application where electrical integrity of the cable has to remain intact for at least three hours, so as to activate and maintain crucial functions such as fire lighting, public announcement, smoke extraction systems sprinkles, emergency lighting evacuation, path lighting systems etc.

The areas for Fire Survival cable application include places where large number of people congregate for short or limited period of time such as shopping malls, cinema theaters, educational institutions, airport terminals, mass transit systems (metro rail networks), high rise office buildings etc. FS cables also find use in power generation facilities, petrochemical complexes, nuclear power facilities, mines etc. for phased shut down of the plant and to keep critical functions like communication, rescue and evacuation systems functional during a fire.

Construction	: Single Core or Multi Core / Pairs / Traids
Voltage Grade	: 600 / 1100 V AC
Conductor	: Solid or Stranded Annealed Bare or Tinned Copper Conductor / - Stranded Aluminium Conductor.
Fire Barrier	: Glass Mica Tape.
Insulation	: XLPE
Screening	: Individual and/or overall with following options - - Aluminium Mylar / Copper Tape with Tinned Copper Drain Wire - Braided with Bare or Tinned or Nickel Plated or Silver Plated Copper
Inner Sheath	: ZHFR / FRLSH / equivalent
Armouring	: Galvanized Steel Wire Helical Armour / Steel Wire Braid
Outer Sheath	: FRLSH, ZHFR equivalent
Standards	: BS-784, BS-7629, BS-8434 or equivalent with fire test confirming resistance to BS-6387 category CWZ or IEC-60331-21

