FIRE SURVIVAL CABLES

Fire Survival Cables are also known as circuit integrity cables. They are designed to sustain high temperatures for a defined minimum period of time under direct fire. They find applications in hazard prone areas where people and equipments are exposed to the threat of fire like airports, hotels, thermal power plants, metro rail projects, rail terminals etc., with qualities that will prevent them from overheating.

They can withstand temperatures of upto 650°C, 750°C & 950°C as per various conditions of operation and application. These cables are also known as fire resistant cables.

In buildings, public utilities & power or energy sector and manufacturing plants, where vital circuits are required to continue operations, it becomes very essential that in case of fire breakout or short circuits resulting into fire, applications such as emergency lighting systems, elevators, fire alarms, water sprinklers, pumps, etc. continue their working and the cables powering these need to sustain fire for a definite period of time and fire survival cables are the ones that meet this requirement.

Fire Survival Cables are suited for use in areas where people are in greater numbers like public buildings and constructions (such as hotels, hospitals, theatres, shopping developments, tunnels, mass transit railways, oil & petrochemical plants, power stations and computer installations) where the danger to life, equipments and structures may be greatly increased in the event of a power failure due to fire.

Emergency Voice Alarm Communication (EVAC)

Control Shut Down Of Industrial Devices

Fire & Gas Detection Alarm

Critical Circuits & Other Safety Equipment

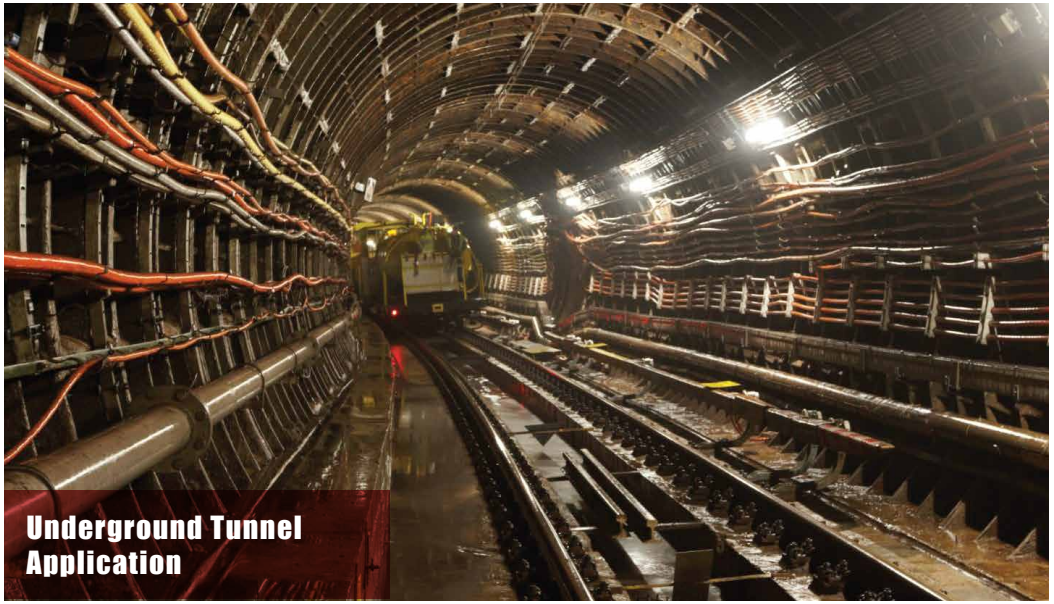
APPLICATIONS

Smoke Detection & Fire Fighting Phone

Emergency Lighting

Resistance Temperature Detectors (RTD)

SCADA Communication



Underground Tunnel Application

Heating, Ventilation, Air Conditioning (HVAC)

Railway Signalling Communication | Public Address Voice Alarm (PAVA) | Public Address General Alarm (PA/GA) | Emergency Shutdown (ESD) Systems

RANGE / TYPE

- FIRE ALARM FS CABLES
- POWER & CONTROL FS CABLES
- RS-485 FS CABLES
- CO-AXIAL FS CABLES
- SPEAKER FS CABLES
- SINGLE CORE FS CABLES
- INSTRUMENTATION FS CABLES
- PROFIBUS DP FS CABLES
- AUDIO FS CABLES
- MARINE & OFFSHORE FS CABLES
- COMMUNICATION FS CABLES
- INDUSTRIAL ETHERNET FS CABLES
- FOUNDATION FIELDBUS FS CABLES
- VIDEO FS CABLES

Agilon™

Fire Survival Cables

VERSATILE & ULTIMATE

Fire Survival Performance

FEATURES / OPTIONS

- Electrolytic Grade Bare Copper / Tinned Copper Conductor
- XLPE, EPR, LSZH, Silicon Rubber Insulated
- Fire Resistant Heat Barrier: Mica Heat Barrier Tape
- Screening: Al-Mylar Tape + Drain Wire / ATC Wire Braided (If Required)
- LSZH, FRLS, LTS 1 Outer Sheathed
- Galvanized Steel Wire / Flat Strip Armoured or Stainless Steel Braiding (If Required)
- High Resistance to Fire & Toxic Gases with Low Emission
- Voltage Grade 300/ 500 Volts, 600/1000 Volts and 1100 Volts
- Operating Temperature: -40°C to +90°C
- Resistance to Fire Alone 950°C for 3 Hrs (Protocol C)
- Resistance to Fire & Water 650°C for 15 Minutes Followed by 5 Bursts for Water (Protocol W)
- Ease & Low Cost of Installation
- Resistance to Fire with Mechanical Shock 950°C for 15 Minutes (Protocol Z)

STANDARDS / COMPLIANCE

- IS 17505 : Part 1 : 2021
- BS 7211
- BS 7629
- BS 7846
- BS EN50288-7
- IEC 60092-376, 150/250V (300V) - Marine
- IEC 60092-353, 600/1000V - Marine
- IEC 60502-1, 600/1000V
- Flame Retardant IEC 60332-24 or IEC 60332-22
- Smoke Density IEC 61034-2 or BS 7622
- Oxygen Index ASTM D2863 or ISO 4589-2
- Halogen Content IEC 60754-1 or BS 6425
- Acid Gas IEC 60754-2 or BS 6425
- Oil Resistant IEC 60811-2-1
- UV Resistant UL 15891

ISO 9001 ISO 14001 ISO 45001 REACH COMPLIANT RoHS compliant CE IEC MAKE IN INDIA