

# FIRE RESISTANT OPTIC FIBRE CABLES

In case of fire, the communication networks, emergency systems and other key equipment's are essential to stay functional. APAR has developed Fire Resistant (Fire Survival) Fibre Optic cables to meet the special demands of customers for critical applications to maintain circuit integrity and ensure safety complying all international fire standards.

They are mainly installed in metro stations, tunnels, oil & gas refineries, petrochemical plants, subways or closed areas in general, specially designed to guarantee the signal transmission even in case of fire. APAR manufactures Fire Resistant (Fire Survival cables) and supplies single-mode/multi-mode Fibre Optic cables as per the customer requirement.

## THE APAR ADVANTAGE

- APAR's Fire Resistant (Fire Survival) Fibre Optic cables offers excellent protection in the event of fire conditions, complying with IEC 60331-1-25 which requires the cable to continue to function normally for minimum 90 minutes under 750° fire conditions.
- Best in class fibre & raw materials used to manufacture high-quality Fire Resistant Fibre Optic cables.
- Various armour options (wire armour, ECCS corrugated tape, FRP armour) providing mechanical & rodent resistance properties.
- Complies with relevant IEC codes and standards for fire resistance.
- Excellent mechanical and thermal properties.
- Low smoke zero halogen (LSZH) jacket lowers corrosive gas emissions during a fire situation.



## APAR FIRE SURVIVAL FIBRE OPTIC CABLES RANGE

- Unitube cables are available with size options from 1F to 24F.
- Multitube cables are available with the size options from 2F to 432 F.
- Suitable fire & flame barriers provided in the cable ensure that the cable maintains circuit integrity for 90 mins at 750° fire as per IEC 60331-25.



## FIRE PROPERTIES OF CABLES

- Circuit Integrity= 90 Minutes 750° C up to 90 minutes. IEC 60331-25
- Flame Retardance (Single Vertical Wire Test)= IEC 60332-1-2
- Reduced Fire Propagation (Vertically-Mounted Bundled Wires & Cable Test)= IEC 60332-3
- Halogen Free= IEC 60754-1
- No Corrosive Gas Emission= IEC 60754-2
- Minimum Smoke Emission= IEC 61034



\*Available in other fibre types as per customer specification.

Contact us : [corporate@apar.com](mailto:corporate@apar.com)