

## Fire Resistant Fibre Optic Cable

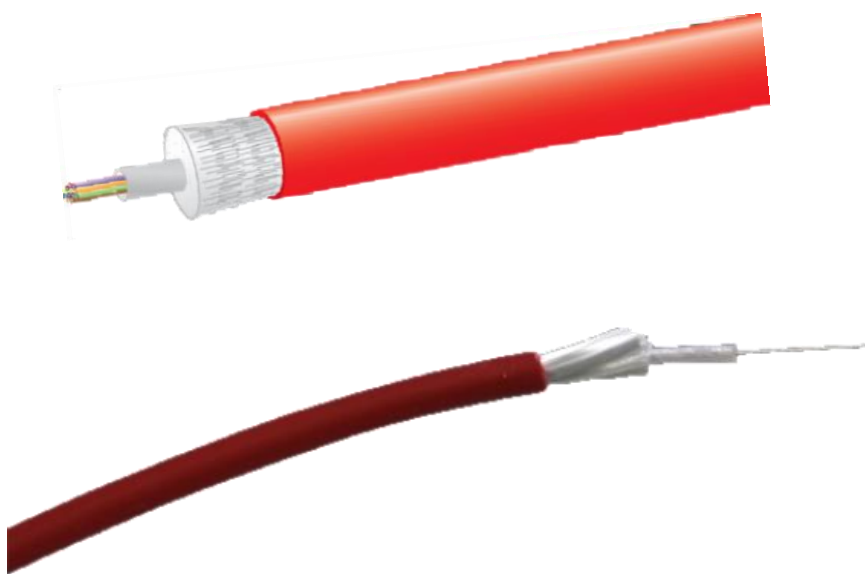
Fire Resistant cable is ideal for installations requiring a cable that can withstand damage from fire or flame for a period of time.

This cable allows for systems to remain operational for a limited time where traditional cables will not.

Perfect for critical systems, where time is required for system shutdown or data backup to take place, or for signalling & safety purposes.

### Applications

Suitable for indoor/outdoor confined spaces  
Fire prone areas  
Hazardous environments  
Critical systems and signalling applications  
Warning systems for mine sites



### Features & Benefits

- Fire resistant cable offers protection in hazardous or fire prone areas for critical systems
- Non-metallic, all dielectric construction allows for cable installation in areas such as power substations with restrictions in place for metallic cable
- High performance components and construction
- Low smoke zero halogen UV stabilised outer jacket lowers corrosive gas emissions during a fire situation
- Complies with relevant IEC codes, standards & specifications for fire resistant & flame retardant properties
- Glass yarn offers a level of deterrence against non-burrowing rodents
- Wide operating temperature range of -20°C to +70°C
- 4 to 24 fibres\* (subject to availability)

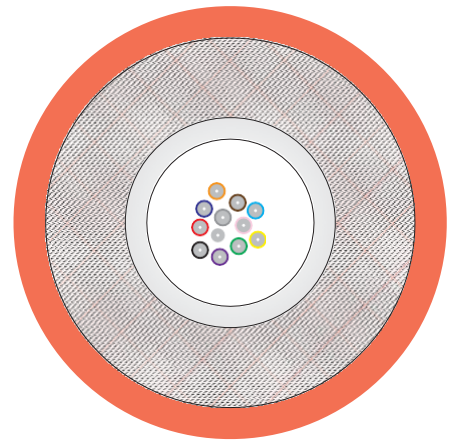
### Ordering Information:

**Please contact atg for more detail and delivery times**

# Fire Resistant Fibre Optic Cable

## Fibre Performance

Fibre type	OM3 (G651)	SM (G652.D)
Attenuation at 850nm (db/km)	≤3.0	n/a
Attenuation at 1300/1310nm (db/km)	≤1.0	≤0.40
Attenuation at 1550nm (db/km)	n/a	≤0.30
Bandwidth at 850nm (MHz.km)	≥1500	n/a
Bandwidth at 1300nm (MHz.km)	≥500	n/a



Test to IEC 60793-1-40 (method C)

## Technical Specifications

Tensile performance	2000N	IEC 60794-1-2-E1
Crush performance	2500N / 100mm	IEC 60794-1-2-E3
Impact performance	10J	IEC 60794-1-2-E4
Flame retardant		IEC 60332-1
Fire retardant		IEC 60332-3-24
Fire resistant	750°C for 90 minutes	IEC 60331-25
Halogen acid gas emission	0.3%	IEC 60754-1,-2
Acidity of gases during fire	pH 4.3, conductivity 10mS/mm	IEC 60754-1,-2
Smoke emission	60%	IEC 61034-1,-2

## Cable Characteristics

Fibre Count	Nominal diameter (mm)	Nominal weight (kg/km)	Min. bend radius operation (cm)	Min. bend radius installation (cm)
6	7.5	60	7.5	11.25
12	7.5	60	7.5	11.25
24	8.0	70	8.0	12