

# Italian Flame-Retardant Optical Cable Brand



## AI Overview

Tratos Group, Sami, For.El.Ind., and Italian Cable Company S.p.A. are leading Italian manufacturers of flame-retardant optical cables. Tratos Group manufactures fire-resistant optical fibre corrugated steel armoured (CSTA) cables in Italy, which are IMQ-approved for circuit integrity during fire events. Their TRATOS FIRESAFE-OPTI® cables are designed for critical systems such as fire detection, alarms, and emergency lighting. These cables feature multi or single-mode fibres, loose tube jelly filling, mica glass fire barrier tape, aramid strengthening yarns, inner sheathing, CSTA armouring, and LSZH outer sheathing. They comply with British Standards (BS) and Euro Norms (EN) for fire resistance, with survival times ranging from 30 minutes (standard) to 120 minutes (enhanced) under fire conditions. Sami specializes in customized special wires and cables, including flame-retardant, low smoke, halogen-free, and fire-resistant optical cables. Their production supports high mechanical stress, chemical resistance, UV and weathering protection, and armored configurations for rodent protection or direct burial. Sami also manufactures high-temperature coaxial and multi-core optical cables compliant with EN 50200, EN 50362, and other international standards, ensuring circuit integrity under fire conditions. For.El.Ind. Spa, established in 1982, produces industrial special electrical and optical cables with fire-resistant properties. Their products are used in petrochemical, pharmaceutical, and industrial automation sectors, offering a range of configurations and cores suitable for critical applications where flame retardance is required. Italian Cable Company S.p.A. manufactures XLPE insulated and LSZH sheathed flame-retardant optical and electrical cables. Their cables are low smoke, zero halogen, and suitable for instrumentation circuits, comp...

## Article Content

### Flame-retardant optical cable

Find your flame-retardant optical cable easily amongst the 50 products from the leading brands (LEMO, LAPP, YOFC, ...) on DirectIndustry, the industry

### Optical Fiber Cables

Specific cables are offered for installations both outdoors, in ducts or microtubes, and indoors, with sheaths with low emission of fumes or toxic gases and / or

### 02-pieghevole

For.El d. Spa was born in 1982 for the supplying of industrial special electrical cables; during the years it has specialized in the following fields: petrol-chemical, chemical, chemical pharmaceutical and

### Unitube Fire-Survival Cables

Unitube Fire-Survival cables offer up to 24 fibers in a compact cable construction. Cables are specially designed to withstand the strict flammability tests of IEC 60331-25.

### High Voltage Flame Retardant Optical Cable-YOFC | Smart Link

Products High Voltage Flame Retardant Optical Cable High voltage cables require transmission control cables to have good electromagnetic radiation resistance, high voltage breakdown resistance,

### FIBRE OPTIC CABLES

Flame retardant cables can resist the spread of fire, but the cable is fully consumed by the flame and no circuit integrity is assured. All the systems connected to these cables are disconnected.

### Manufacture of electrical components

Italian Cable Company is a leader in the cables production for the industrial and energy transport sectors, of special connections and cabling systems.

### Indoor Fiber Optic Cables | Flame Retardant Indoor Cable Products

Corning indoor fiber optic cables are used in spaces that require a flame retardant jacket. These cables may be deployed in duct (conduit) or cable tray.

### Fire Resistant Optic Fiber Cables|Fireproof Cables

CABLE CONSTRUCTION fireflex cables are constructed in the following typical design:  
1. Solid/stranded annealed copper conductor  
2. Glass mica tape/silicone rubber as flame barrier  
3. XLPE/silicone

## PRODUCTS – Sami | cavi speciali elettrici e ottici

FIBRE OPTIC CABLES Distribution, data and signal transmission cables, for indoor and outdoor installation, with metallic or dielectric armour, with non-metallic rodent protection, fire retardant and

### Flame-Retardant Optical Cables Specifications and Models

Flame-retardant optical cables are an essential component in the telecommunications industry, ensuring the safety and reliability of data transmission. These cables are designed to resist fire and prevent

### Ramcro – Special Cables

Ramcro is our main supplier of special cables. We trust on this Brand, because of the Italian quality, the flexibility in finding solutions to our requests, and the high value for money of most of their productions.

### Draka FireTuf Fire Resistant Fibre Optic Cable

This FireTuf fibre range is fully compliant with fire resistant standards IEC 60331-25 and flame retardant standards IEC 60332-2-3-24C, guaranteeing the cables circuit integrity and performance in the event

### Fire resistant optical fibre cables

Characteristics of the test Flame temperature : 850°C Mechanical shock : every 5 minutes Bending radius : cf. cable manufacturer Voltage : cable rating Time : 15 - 30 - 60 - 90 - 120 min Required

### Fire resistant optic fibre cable\_V4

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

### Development of flame retardant and fire-resistant optical cable based ...

The novel flame retardant and fire-resistant optical cable which can broadly be popularized to extent of subway base station, tunnel traffic and so on, with ultra-high performance of flame retardant and fire

### Telecom Italia Fibre

Tratos Fibre cables have the optimum balance of properties, toughness to withstand blowing or pulling in combined with a smooth, low coefficient of friction, sheath, to ease installation and prevent jamming.

### Caledonian

Solid/stranded annealed copper conductor Glass mica tape/silicone rubber as flame barrier XLpe/silicone rubber as insulation LSZH/flame retardant pvc as sheath Fireflex cables are offered in

#### Fiber Optic Cables

APPLICATION Optical cable for indoor and outdoor use in vital communication and emergency systems that need to be operational during fire. The cable has a design that ensures operation for more than

#### Flexible optical cable

Find your flexible optical cable easily amongst the 89 products from the leading brands (Oki Electric Cable, BANNER, LEMO, ...) on DirectIndustry, the industry

#### Fiber Optic Cables

APPLICATION The cable is specially designed for harsh environments. The internationally known multilayer inner sheath ALPA® construction: Aluminium/HDPE/PA (nylon) withstands aggressive

#### Top 100 Fiber Optic Cable Manufacturers in Italy (2026) | ensun

When exploring the fiber optic cable industry in Italy, several key considerations come into play. Regulatory compliance is crucial, as the Italian government adheres to EU standards concerning

#### Fire Resistant Fiber Optic Cables CPR B2ca | ETK Kablo

Which fibre is resistant to fire? The glass optical fibre itself is non-flammable; what determines fire behaviour is the cable construction (insulation, sheath, fillers). For fire-critical areas, choose fire

## Contact Us

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