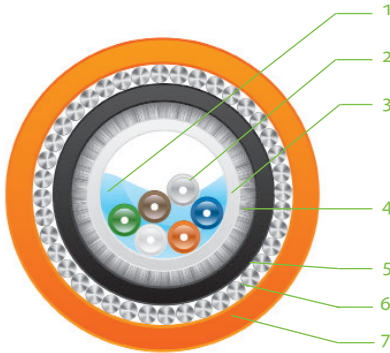
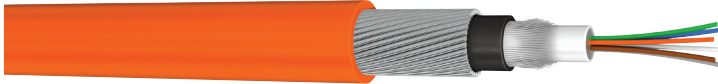


## P/N: FOFIRE xx

Steel Wire Armored central loose tube optical fiber cable – Fire resistant



1. Waterproof jelly
2. Fiber optic string 250µm
3. PBT tube
4. Glass yarn with water blocking protection
5. HFFR inner jacket Black
6. Steel Wire armour
7. UV stabilized HFFR outer jacket Orange

Fiber Number	Color	Ring
1	Blue	-
2	Orange	-
3	Green	-
4	Brown	-
5	Grey	-
6	White	-
7	Red	-
8	Black	-
9	Yellow	-
10	Purple	-
11	Pink	-
12	Aqua	-

From 13 to 24 fibers, a black ring is printed

## APPLICATIONS

This fire resistant and LSZH cable is suitable for installation in small size ducts and for direct burial where water or rodents may be present and freezing may occur.

It can be used indoor or outdoor directly buried or in a duct.

## GENERAL CHARACTERISTICS

Single mode or multimode fibers, meeting or exceeding the pertinent IEC\*, ITU and EIA/TIA specifications  
Up to 24 tight buffered fibers.

Fiber strings have a dimension of 250µm (2).

All fibers are protected by a waterproof jelly (1), filled inside a loose tube (3).

Glass yarns with water blocking protections (4) are employed for strength members.

A first inner jacket with HFFR compound (5) is covering the cable structure.

A steel wire armour (6) is laid all around the inner jacket to protect against rodent and pulling or crushing chocs

An UV stabilized low smoke zero halogen (HFFR) outer jacket (7) is extruded over the cable core.

(\*) For more specifications please refer to the document titled « optical performances

## P/N: FOFIRE xx

Steel Wire Armored central loose tube optical fiber cable – Fire resistant

### MECHANICAL PROPERTIES

No. of fibers	2	4	6	8	12	24	IEC 60794-1-21	IEC 60794-1-21
No. of tubes	1							
Nom. Tube Diameter (mm)	3.3 to 3.5			4.5				
Nom. Outer Diameter (mm)	11.1			12.5				
Nom. Jacket Thickness (mm)	1.3 +/-0.2							
Maximum Pulling Load	4500N			6000N			E1	33
Maximum Operating Load	3500N			4500N				
Minimum Bending Radius	15 x OD (operation) 20 x OD (installation)							
Flexibility (Ø 250mm mandrel)	25 cycles, ± 90°							
Max. Compressive Loading	3500N			4000N			E3	41
Fire Resistance	IEC 60332-3 - XP C93-539							
Smokeemission/Halogenrate	IEC 61034-2							
Halogen free	IEC 60754-2							
Storage Temperature Range	-40°C to +70°C							
Operating temperature range	-40°C to +70°C							
Nom. Weight (Kg/Km)	217			240				

### ORDERING INFORMATION

Part number	Item description	Packaging
FOFIRE <b>xx yyy</b>	xx fibres central tube Steel Wire Armored fire resistant	D4000 or Cut on demand
Replace <b>xx</b> by	the number of fibers : 2 to 24	
Replace <b>yyy</b> by	the type of fiber : OM3, OM4, OM5, OS2, 7A2 (G657A2)	