

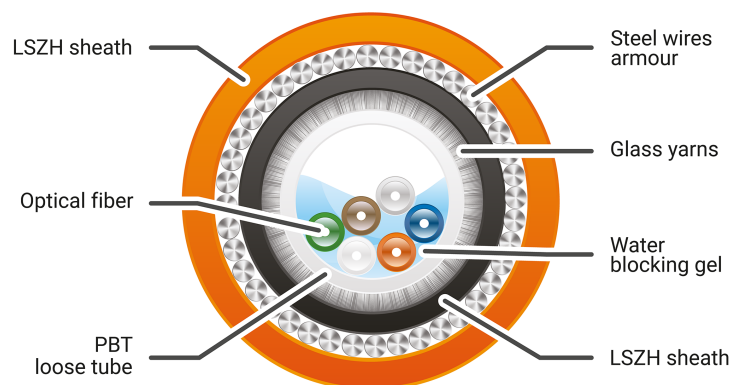
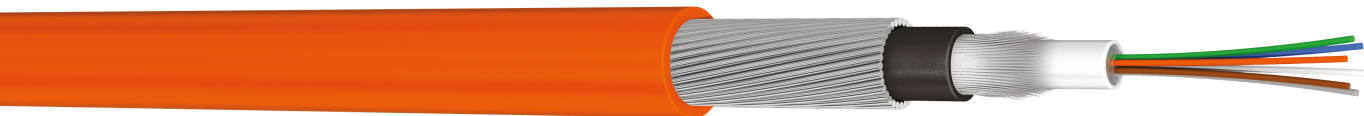
## FOFIRE12OS2

OS2 12 cores loose tube fire resistant  
optical fiber cable - LSZH sheath



### DESCRIPTION

FOFIRE LSZH fibers provide fire resistance, making them suitable for sensitive environments. Tested to standard XPC 93539 and verified by an independent laboratory, they enable DATA transmission even in the event of a fire. Available in single-mode and multimode, and as a central-tube (central loose-tube) design, they offer up to 24 fibers in a loose-tube configuration.



### ADVANTAGES

- Fire resistant fiber optic cable: compliant with standard XP-C 93539
- Single armor (buried cable) or double armor (submerged cable) in steel wire
- Optimum protection against rodents and complete watertightness
- Fire retardant double LSZH sheath XP-C 93539 (FOFIRE &



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**CONSTRUCTION & TECHNICAL PERFORMANCE**

Product Type	FOFIRExxyyy
Overall Armor	Steel Wire Armour
Color	Orange RAL 2003
Minimum diameter of the outer sheath (mm)	10.5
Nom. diameter of the outer sheath (mm)	11
Max. diameter of the outer sheath (mm)	11.5
Number of active tubes	1
Total number of tubes	1
Number of Optical Fibers	12
Number of Fibers per Tube	12
Sheath Type	HFFR

**ELECTRICAL CHARACTERISTICS**

Optical Performance	OS2
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**TRANSMISSION CHARACTERISTICS**

Data Transmission Standard	ISO 11801-1 et TIA 568-3.D
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**MECHANICAL CHARACTERISTICS**

Structure	Libre
Max Short-Term Tensile Strength	2500 N
Max Long-Term Tensile Strength	900 N
Bending Radius in Fixed Installation	20 x Ø ext
Bending Radius in Mobile Installation	20 x Ø ext
Max Short-Term Crush Resistance	3000
Max Long-Term Crush Resistance	3000 N/dm
Impact Resistance	5J

**ENVIRONMENTAL CHARACTERISTIC**

Independent lab certification	Yes
CPR classification	Eca
Fire behaviour	IEC 60332-3, XP C93-539
Smoke emission	IEC 61034-1
Gas emission	IEC 60754-2
UV Resistance	No
Component Standard	IEC 60794-1-2

**ADDITIONAL INFORMATION**

Product Packaging	Drum of 4000m
Weight (Kg)	0.217

## Additional Information

Code couleur des fibres suivant les normes  
TIA/EIA 598A et IEC 304

1	2	3	4	5	6	7	8	9	10	11	12
