**FOFIRE24OM3**

OM3 24 cores loose tube fire resistant optical fiber cable - LSZH sheath

RESIST | LIBRE

DESCRIPTION

FOFIRE LSZH fiber cables are highly fire-resistant and are a perfect fit for sensitive areas. XPC 93539 regulation-tested and analyzed in a third-part laboratory, EXTMT fiber cables allow data transmission even in case of fire. Available in single mode and multimode in central tube, up to 24 fibers in a loose structure

LSZH sheath

Optical fiber

PBT
loose tube

Steel wires
armour

Glass yarns

Water
blocking gel

LSZH sheath
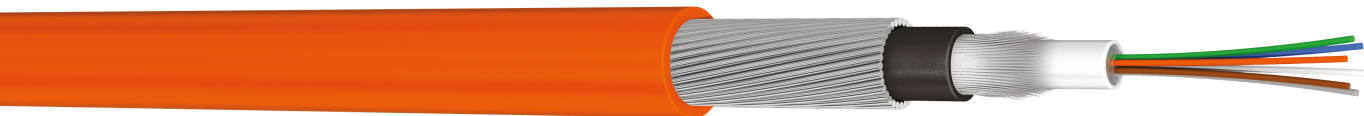
ADVANTAGES

• 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 &

MMC
/ ADALTRA

CONSTRUCTION & TECHNICAL PERFORMANCE

Product Type	FOFIRExxyyy
Overall Armor	Steel Wire Armour
Color	Orange RAL 2003
Minimum diameter of the outer sheath (mm)	11.5
Nom. diameter of the outer sheath (mm)	12
Max. diameter of the outer sheath (mm)	12.5
Number of active tubes	1
Total number of tubes	1
Number of Optical Fibers	24
Number of Fibers per Tube	24
Sheath Type	HFFR

ELECTRICAL CHARACTERISTICS

Optical Performance	OM3

TRANSMISSION CHARACTERISTICS

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

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

Updated: 1/02/2026

ADDITIONAL INFORMATION

Product Packaging	Drum of 4000m
Weight (Kg)	0.24

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

13	14	15	16	17	18	19	20	21	22	23	24