

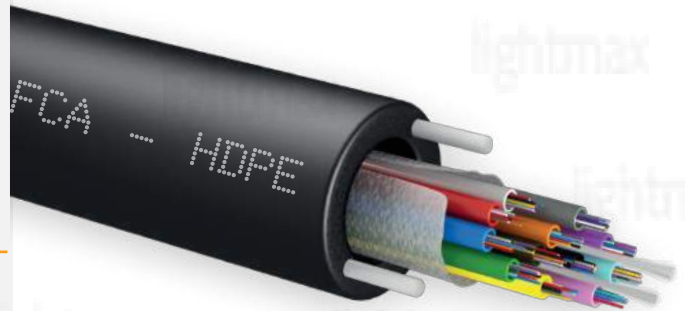


Micromodule Optical Cable

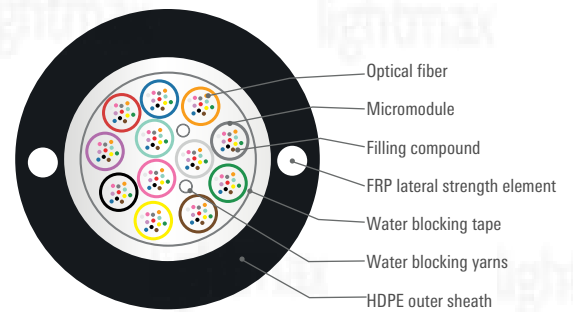
Duct Outdoor | 6^(*) & 12 fibres per μmodule

6^(*) - 12 - 24 - 36 - 48 - 72 - 96 - 144 - 288 fibres | HDPE
G.652.D & G.657.A2 SM Fibre

The *LightMax*[®] optical micromodule cable with HDPE sheath is suitable for outdoor duct installations. The micromodules containing the fibres are filled with gel and are flexible and easy to strip. This cable incorporates two elements with glass-reinforced plastic elements that provide excellent tensile performance and mechanical strength during and after installation.



[Images for reference purposes only]



Applications:

- Outdoor
- Ducts

G.652.D FIBRE OPTIC SPECIFICATIONS [8]

Fibre type		Single Mode
Core diameter		9 μm
Cabled Fibre Attenuation	@1310 nm	≤0.40 dB/km
	@1550 nm	≤0.30 dB/km
Zero-Dispersion wavelength		1300 ~ 1324 nm
Macrobend loss	50 mm radius, 100 turns, @1550 nm	≤ 0.05 dB
	50 mm radius, 100 turns, @1625 nm	≤ 0.10 dB
MFD	@1310 nm	9.2 ±0.4 μm
Cladding diameter		125 ±1.0 μm
Cladding no circularity		≤1.0%
Core/Cladding concentricity error		≤ 0.6 μm
Proof stress		≥ 0.69 GPa
Standard		ITU-T G.652.D

G.657.A2 FIBRE OPTIC SPECIFICATIONS [8]

Fibre type		Single Mode
Core diameter		9 μm
Cabled Fibre Attenuation	@1310 nm	≤0.40 dB/km
	@1550 nm	≤0.30 dB/km
Zero-Dispersion wavelength		1300 ~ 1324 nm
Zero-Dispersion slope		≤0.092 ps/nm ² -km
Macrobend loss	15 mm radius, 1 turn, @1550 nm	≤ 0.50 dB
	15 mm radius, 1 turn, @1625 nm	≤ 1.00 dB
MFD	@1310 nm	8.6 ±0.4 μm
Cladding diameter		125 ±1.0 μm
Cladding no circularity		≤1.0%
Core/Cladding concentricity error		≤ 0.5 μm
Proof stress		≥ 0.69 GPa
Standard		ITU-T G.657.A2



Colour of Fibres and Micromodules

[France Télécom]

1 Red	7 Orange
2 Blue	8 Grey
3 Green	9 Brown
4 Yellow	10 Black
5 Violet	11 Aqua
6 White	12 Pink

Features

- Dielectric cable
- Micromodule cable
- HDPE outer sheath
- Flexible and easy-to-strip micromodules
- Water blocking yarns and water blocking tape
- External reinforcement with two FRP side elements embedded in cable sheath
- Single mode fibre - G.652.D or G.657.A2
- France Télécom colour code for fibres and micromodules

CABLE SPECIFICATIONS										
Fibre count		–	6 ⁷	12	24	36	48	72	96	144
Number of micromodules		–	1	1	2	3	4	6	8	12
Fibres per micromodule		–	6	12	12	12	12	12	12	12
Cable diameter (D)	mm	5.6 ±0.5	5.6 ±0.5	7.0 ±0.5	7.5 ±0.5	7.5 ±0.5	9.1 ±0.5	9.6 ±0.5	10.8 ±0.5%	
Weight	kg/km	22	23	31	38	39	58	64	80	
Outer sheath	Material	HDPE								
	Colour	Black								
Water blocking elements		Water blocking tape and yarns								
Strengthening elements		FRP symmetrical elements on sheath								
Temperature	Storage	-40 ~ 70								
	Operation	-40 ~ 70								
Curvature	Static Dynamic	10 x D 20 x D								
Crushing	N/10cm	2000								
Tensile (max)	N	800		1000		1600		2000		
Impact	J	5								
Kink	-	R=10 x D								
Standards		IEC 60793-1 IEC 60793-2 IEC 60794-3								

Part Numbers

G.652.D

LMCAOU2DMD006FM06HDTPF	LMCAOU2DMD012FM12HDTPF	LMCAOU2DMD024FM12HDTPF
LMCAOU2DMD036FM12HDTPF	LMCAOU2DMD048FM12HDTPF	LMCAOU2DMD072FM12HDTPF
LMCAOU2DMD096FM12HDTPF LMCAOU2MD144FM12HDTPF		

G.657.A2

LMCAOUA2MD006FM06HDTPF	LMCAOUA2MD012FM12HDTPF	LMCAOUA2MD024FM12HDTPF
LMCAOUA2MD036FM12HDTPF	LMCAOUA2MD048FM12HDTPF	LMCAOUA2MD072FM12HDTPF
LMCAOUA2MD096FM12HDTPF		

Rel. 6-EN/DEC22