



Indoor Dielectric Armoured Unitube Cable

Unitube | FRNC (Flame Retardant Non-Corrosive)

MM - G.651-OM4 | 6-12-24 fibres

B2ca-s1a, d0, a1

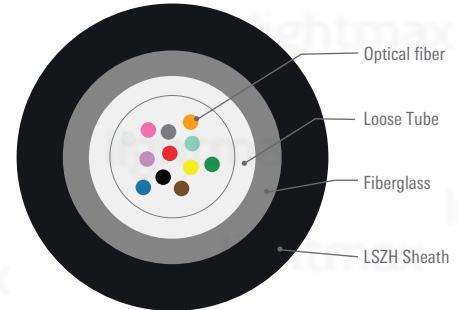
LightMax[®] presents a fully dry unitube fibre optic cable, with glass fibre armouring that makes it moderately rodent protected; for indoor installation (outdoor in ducts only). Cable with flame retardant and non-corrosive outer sheath, with limited UV protection. Not suitable for direct burial. Cable rated B2ca.

Features

- Dielectric cable
- Fully dry not fulfilled core
- Flame Retardant Non Corrosive outer sheath
- Fibre count : 6-12-24 fibres
- G.651 OM4 fibre
- Anti-rodent protection
- Moderate UV protection
- Only duct outdoor installation allowed
- CPR Euroclass B2ca

G.651 - OM4 FIBRE OPTIC SPECIFICATIONS [19]

Fibre type	G.651 - OM4		
Design	Core	µm	50 ±2.5
	Cladding	µm	125 ±1
	Coating (acrylate)	µm	245 ±10
Geometry	Core concentricity error	%	< 5
	Coating concentricity error	%	< 1
	Core coating eccentricity	µm	< 1.5
	Eccentricity of coating	µm	< 10
	Screen test	Gpa	≥0.69
Optical Features	Attenuation (maximum)		
	850 nm cabled fibre	dB/Km	2.5
	1300 nm "	dB/Km	0.7
	850 nm uncabled fibre	dB/Km	2.3
	1300 nm "	dB/Km	0.6
	Macrobending (induced att.)		
	100 turns - 37.5 mm	dB	≤ 0.10 (@ 850 nm)
	100 turns - 37.5 mm	dB	≤ 0.15 (@ 1300 nm)
2 turns - 7.5 mm	dB	≤ 0.2 (@ 850 nm)	
2 turns - 7.5 mm	dB	≤ 0.5 (@ 1300 nm)	
Bandwidth (OFL) (minimums)			
850 nm	Mhz/Km	3500	
1300 nm	Mhz/Km	500	
Effective modal bandwidth-length product minimum			
850 nm	Mhz/Km	4700	
Numerical aperture			
0.200±0.015			
Effective group of refraction			
850 nm		1.483	
1300 nm		1.478	
Standard	ITU-T	G.651 - OM4	



[Pictures for reference purposes only]

Fibres colours

[France Télécom]

Fibres	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Red	Blue	Green	Yellow	Violet	White	Orange	Grey	Brown	Black	Aqua	Pink	Red	Blue	Green	Yellow	Violet	White	Orange	Grey	Brown	Black	Aqua	Pink

CABLE SPECIFICATIONS

Fibres count	6 - 12		24
Loose tube diameter	mm	3.0	3.5
Outer cable diameter	mm	6.5	7.0
Cable weight	Kg/Km	46	51
Outer sheath material	FRNC (LSZH)		
Outer sheath thickness	mm	1.0	
Outer sheath colour	Black		
Armour (non-mettalic)	Multifunctional E-glass yarns		
Waterblocking	Dry core		
Fire load	MJ/m	0.68	
Bending radius	static dynamic	15X 20X	
Tensile force (max)	short term	N 1500	
Crush resistance (max)	short term long term	N/dm 1500 600	
Impact resistance	J	3	
Temperature	storage installation	°C -25 ~ 70 -5 ~ 50	
Standards			
IEC 60794-1-2		IEC 60754-1	
IEC 60332-1-2		IEC 60754-2	
IEC 60332-3-24 Cat.C		EN 13501-6	
IEC 60794-2		EN 50575 : 2014 + A1 :2016	

Part Number

LMCAIOM4DU006FM06ZHPBB2 LMCAIOM4DU012FM12ZHPBB2 LMCAIOM4DU024FM24ZHPBB2