



Indoor Dielectric Armoured Unitube Cable

FRNC (Flame Retardant Non-Corrosive)

SM - G.652.D | 6-12 - 24 fibres

B2ca-s1a, d0, a1

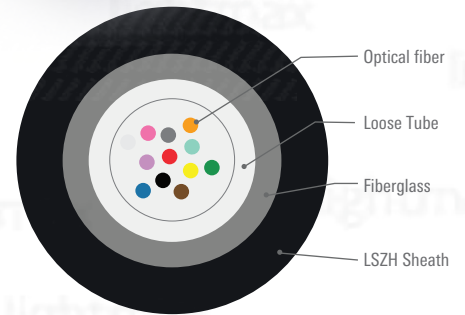
LightMax[®] presents a fully dry unitube fibre optic cable, with glass fibre armouring that makes it moderately rodent protected; for indoor installation (outdoor in ducts only). Cable with flame retardant and non-corrosive outer sheath, with limited UV protection. Not suitable for direct burial. Cable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

Features

- Dielectric cable
- Fully dry not fulfilled core
- Flame Retardant Non Corrosive outer sheath
- Fibre count : 6-12-24 fibres
- G.652.D fibre
- Anti-rodent protection
- Moderate UV protection
- Only duct outdoor installation allowed
- CPR Euroclass B2ca



[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

G.652.D FIBRE OPTIC SPECIFICATIONS [19]			
Fibre type			Single Mode
Core diameter	μm	9	
MFD	@1310 nm	μm	9.2 ± 0.4
	@1550 nm	μm	10.4 ± 0.5
Attenuation	@1310 nm	dB/km	0.32
	@1383 nm		0.32
	@1550 nm		0.18
	@1625 nm		0.20
Chromatic Dispersion	@1285nm ~ 1330nm	ps / nm.km	≤ 3.0
	@1550nm		18
	@1625nm		22
Zero-Dispersion Wavelength	nm	1304 ~ 1324	
Zero-Dispersion Slope	ps/(nm ² .km)	≤ 0.092	
Cable Cutoff Wavelength λ_{cc}	nm	≤ 1260	
Cladding Diameter	μm	125 ± 0.7	
Cladding Non-circularity	%	≤ 0.7	
Core/Cladding Concentricity Error	μm	≤ 0.5	
Coating Diameter (Uncoloured)	μm	242 ± 10	
Standard	ITU-T		G.652.D

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-metallc)	Multifunctional E-glass yarns		
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 60332-1-2		IEC 60754-1	
IEC 60332-3-24 Cat.C		IEC 60754-2	
IEC 61034		EN 13501-6	
IEC 60794-2		EN 50575 : 2014 + A1 :2016	

Part Numbers

LMCAIO2DDU006FM06ZHPBB2 LMCAIO2DDU012FM12ZHPBB2 LMCAIO2DDU024FM24ZHPBB2