



Indoor / Outdoor Cable

Steel Armoured, Unitube | LSZH

6 | 12 | 24 Fibres

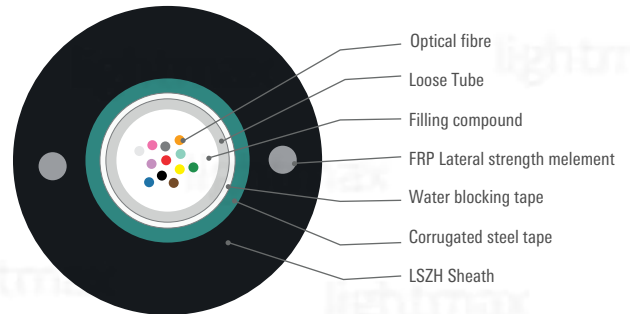
SM - G.652.D

Fca

This *LightMax*[®] unitube steel armoured indoor / outdoor optical cable is recommended for in duct instalations. It offers great stability and performance on several environmental and installation situations. The sheath protects the cable from UV radiation and humidity. Its unitube structure filled with a compound and containing the fibres is entangled by a corrugated steel tape which gives it an extra rodent protection.



[Picture for reference purposes only]



Applications:

- Duct installation on damages risk areas

G.652.D FIBRE OPTIC SPECIFICATIONS		
Fibre type		Single Mode
Core diameter		9 μm
MFD	@1310 nm	9.2 ±0.4 μm
Cladding diameter		125 ±1 μm
Coating diameter	After colour	250 ±15 μm
Cladding non circularity		≤ 1.0 %
Core/Cladding concentricity error		≤ 0.8 μm
Chromatic Dispersion	@1310 ~ 1339 (nm)	≤ 3.5 ps/(nm.km)
	@1271 ~ 1360 (nm)	≤ 5.3 ps/(nm.km)
	@1550 nm	≤ 20 ps/(nm.km)
	Zero-Dispersion wavelength	1300 nm ~ 1324 nm
PMD	Zero-Dispersion slope	≤ 0.093 ps/(nm ² .km)
	Max. (fibre on the reel)	<0.20 ps/√km
	Max. (link designed value)	<0.10 ps/√km
Attenuation	@1310 nm	≤ 0.40 dB/km
	@1550 nm	≤ 0.30 dB/km
Proof test		≥ 0.69GPa (100kpsi)
Standard		
ITU-T		G.652.D



Fibres colours

[France Télécom]

Fibres	01	Red	07	Orange
	02	Blue	08	Grey
	03	Green	09	Brown
	04	Yellow	10	Black
	05	Violet	11	Aqua
	06	White	12	Pink

Features:

- Metal armoured cable
- LSZH Outer sheath
- 2 steel wire strength members
- Single loose tube - 24 fibres max. capacity
- Gel for water protection
- Fibre type G.652.D Single mode
- Rodent protected
- Ripcord
- CPR Euro class Fca

CABLE SPECIFICATIONS				
Loose tube	Count	-	1	
	Diameter	mm	2.6 (+0.2)	
	Material	-	PBT	
Max. fibre count		6	12	24
Peripheral strength member	Material	-	Phosphated steel wire	
	Material	-	LSZH	
Outer sheath	Color	-	Black	
	Thickness	mm	~ 2.4	
	Cable diameter [D]	mm	9.3 (+0.5)	10.2 (+0.5)
Cable weight	kg/km		120 (+10%)	140 (+10%)
Bending Radius	Static	-	10 D	
	Dynamic	-	20 D	
Tensile	Short term	N	1500	
Crush	Short term	N/100mm	1000	
Temperature	Storage	°C	-40 ~ 70	
	Operation	°C	-30 ~ 60	
Standards			E1 - Tensile Loading	
			E3 - Crush	
			E4 - Impact Resistance	
IEC 60794-1-2			E6 - Repeated Bending	
			E7 - Torsion	
			E11A - Cable Bending	
			F5B - Water Penetration	

Part Numbers

LMCAIO2DAU006FM06ZHPB3 LMCAIO2DAU012FM12ZHPB3
LMCAIO2DAU024FM24ZHPB3

Rel. 10 - EN/MAR23