



Dielectric Indoor/Outdoor Cable

Unitube | LSZH

SM - G.652.D - 4 | 6 | 8 | 12 | 16 | 24 fibres

Dca

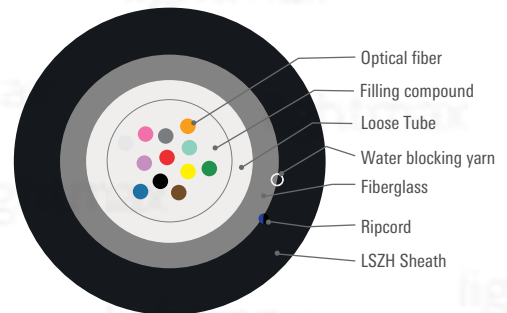


This *LightMax*[®] dielectric armoured indoor/outdoor cable has a central loose tube in which the optical fibers and a water protection gel are placed. This cable is resistant to hostile environmental conditions of installation and operation and it has an LSZH outer sheath. It also contains multifunctional E-glass yarns, as strain relief elements and non-metallic rodent protection

[Pictures for reference purposes only]

Features:

- Dielectric cable.
- LSZH outer sheath.
- Fibre count from 4 to 24 fibres.
- SM - G.652.D fibre.
- Specific colour code on fibres.
- 1000 N max. tensile.
- CPR Euroclass Dca.



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		0.32
	@1383 nm		0.32
	@1550 nm	dB/km	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



Fibres & tube colours

[France Télécom]



From the 13th to the 24th fibres will be black ring marked. Black fibre will be white ring marked.

CABLE SPECIFICATIONS							
Fibres count		4	6	8	12	16	24
Loose tube diameter	mm			2.8			3.5
Nominal cable diameter (D)	mm			6.0			6.5
Cable weight	kg/km			46			49
Outer sheath	Material Colour	-		LSZH Black			
Central loose tube	Colour	-		Natural (G.652.D fiber)			
Water blocking		-		Jelly filled loose tube			
Non metallic armour		-		Multifunctional E-glass yarns			
Ripcord		-		1			
Temperature	Storage	°C		-25 ~ 70			
	Operating	°C		-20 ~ 70			
Bend radius	Load	-		20 x D			
	Unload	-		15 x D			
Crush resistance (Max.)	N/10 cm			1500			
Tensile (Max.)	N			1000			
Impact	J			1.5			
Standards							
IEC 60794-1-2				E1 - Tensile E3 - Crush E4 - Impact E6 - Repeated bending F1 - Temperature cycling			
EN 13501-6				Dca			
IEC 60332-1-2				The cable is Flame Retardant			

Part Numbers

LMCAIO2DDU004FM04ZHPBD	LMCAIO2DDU006FM06ZHPBD	LMCAIO2DDU008FM08ZHPBD
LMCAIO2DDU012FM12ZHPBD	LMCAIO2DDU016FM16ZHPBD	LMCAIO2DDU024FM24ZHPBD

Rel. 2-EN/FEB23