



Outdoor Cable

Steel Armoured, Unitube | HDPE

6 | 8 | 12 | 24 Fibres

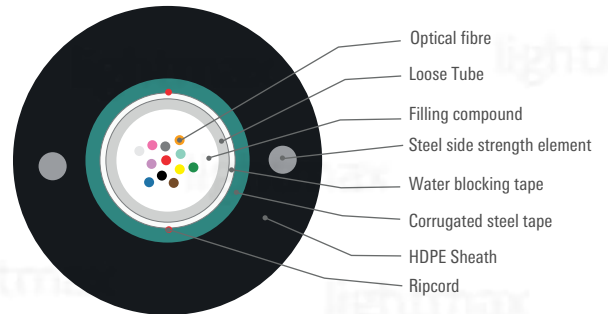
SM - G.652.D

Fca

This *LightMax*[®] unitube steel armoured outdoor optical cable is recommended for outdoor duct installations. The HDPE sheath protects it from UV radiation and humidity. Its unitube structure is filled with a jelly compound and contains the fibres. This unitube is entangled by a corrugated steel tape which gives the cable an extra rodent protection.



[Picture for reference purposes only]



Applications:

- Outdoor duct installations
- Direct burial application

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



Fibres colours

[France Télécom]



Features:

- Corrugated steel tape
- HDPE Outer sheath
- Two steel wire strength members
- Single loose tube - 24 fibres max. capacity
- Gel compound for water protection
- G.652.D Single mode fibre
- Rodent protected
- Two ripcords
- CPR Euro class Fca
- Suitable for direct burial

CABLE SPECIFICATIONS			
Loose tube	Count	-	1
	Diameter	mm	2.8 3.7
	Material	-	PBT
Max. fibre count		6	8 12 24
Peripheral strength member	Material	-	Phosphated steel wire
Outer sheath	Material	-	HDPE
	Color	-	Black
	Thickness	mm	2.4
Cable diameter [D]	mm		9.3 (±0.5) 10.2 (±0.5)
Cable weight	kg/km		88 (±15%) 105 (±15%)
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			
IEC 60793-1			
IEC 60793-2			
IEC 60794-1-2			
E1 - Tensile Loading			
E3 - Crush			
E4 - Impact Resistance			
E6 - Repeated Bending			
E7 - Torsion			
E11A - Cable Bending			
F5B - Water Penetration			
IEC 60794-3-10			

Part Numbers

LMCAOU2DAU006FM06HDPB7F LMCAOU2DAU008FM08HDPB7F
LMCAOU2DAU012FM12HDPB7F LMCAOU2DAU024FM24HDPB7F

Rel. 01 - EN/DEC23