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THE FIBRE OPTIC BRAND
REL 1 - EN - NOV23.U

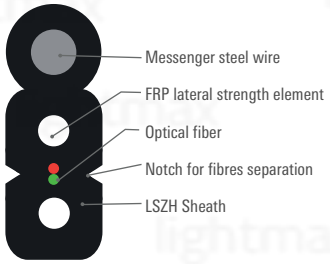
Dielectric Indoor - Outdoor Cable

Drop Fig8 | 2-4 Fibres | LSZH - BLACK
SM G.657.A2

Eca

[Pictures for reference purposes only]

LightMax® FTTH Drop Fig8 Cable is designed for FTTH indoor / outdoor environment applications based on the ITU-T G.657.A2 fibre standard. The optical fibres are placed in the center. Two FRP strength elements are placed inside an LSZH cable's sheath. A steel wire can be found as the cable's messenger.



Features:

- G.657.A2 (SM bend insensitive fibre)
- LSZH black sheath
- Two parallel FRP strength elements
- Steel wire as cable messenger
- Simple structure, light weight, flexible

Applications:

- Indoor / Outdoor FTTH installations
- Telecom subscriber's applications

CABLE SPECIFICATIONS			
Cable type			Drop Fig8
Fibres count			2
Weight		kg/km	21.0
Nominal diameter	Drop portion	mm	2.0 ±0.1 x 5.3 ±0.2
	Overall		
Cable messenger		-	Yes - Steel wire
Outer sheath	Material	-	LSZH
	Colour	-	Black
Strength member	Material	-	FRP
	Diameter	mm	0.52
Temperature	Storage	℃	-40 ~ 60
	Operation		-40 ~ 60
Bend radius	Load	mm	40
	Unload		20
Crush resistance	Load	N/10 cm	1000
	Unload		500
Tensile	Load	N	300
	Unload		
Standards			
			RoHS
			IEC 60332-1-2
			IEC 60794-1-21

G.657.A2 FIBRE OPTIC SPECIFICATIONS		
Fibre type		Single Mode
Core diameter		9 µm
MFD	@1310 nm	8.4 - 9.2 µm
	@1550 nm	9.3 - 10.3 µm
Cladding diameter		125 ±0.7 µm
Coating diameter		235 - 245 µm
Cladding non circularity		≤ 0.7 %
Core/Cladding concentricity error		≤ 0.5 µm
Attenuation vs Wavelength Max.α difference	1285~1330 (nm) ref. to 1310nm	≤ 0.03 dB/km
	1525~1575 (nm) ref. to 1550nm	≤ 0.02 dB/km
Zero-Dispersion wavelength		1300 nm ~ 1324 nm
Zero-Dispersion slope		≤ 0.092 ps/(nm².km)
PMD	Max. (individual fibre)	≤0.1 ps/√km
	Max. (link designed value)	≤0.06 ps/√km
Attenuation	@1310 nm	≤ 0.40 dB/km
	@1550 nm	≤ 0.30 dB/km
Proof test		≥ 100 kpsi
Standard		
ITU-T		G.657.A2

Part Number
LMCAOUA2D8002F23ZH3

Rel. 1-EN/NOV23