

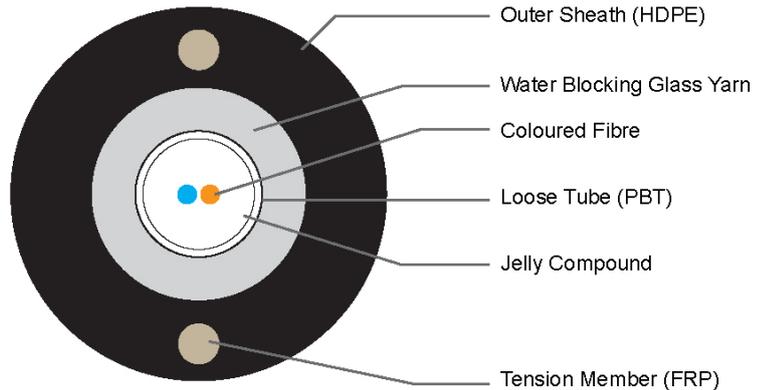
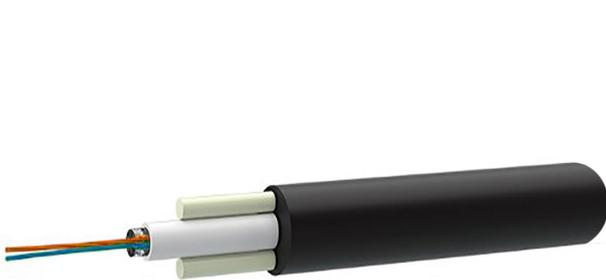
## LOOSE TUBE OUTDOOR FIBRE CABLE

### DESCRIPTION

The DYNAMIX universal 2F SM Lead in cable for Duct and Aerial applications that will supports up to 50m. Constructed with G657.a2 bend-insensitive fibre and HDPE sheath for strength and protection.

### FEATURES

- Sold per meter
- All-dielectric cable construction
- Requires no grounding or bonding
- HDPE outer jacket
- Polybutylene Terephthalate central tube
- Interstitial water-blocking yarns/tapes
- Craft-friendly, no mess cable cores



### PRODUCT CODES

### SOLD PER METER

MODEL CODE	MODE	CORE	CENTRAL TUBE	SHEATH THICKNESS	CABLE DIAMETER	WEIGHT
F-LTGOS202-M	OS2	2	1.8mm ± 0.10	Nominal 1.3mm	5.8mm ± 0.30	40kg/km

### PHYSICAL & MECHANICAL PROPERTIES

Construction of cable	Items of Properties	Value
Geometrical Characteristics	Effective group index of refraction: @1310nm @1550nm	1.466 1.467
	Mode field diameter @1310nm	8.8 ± 0.4µm
	Core/Clad concentricity error	≤ 0.5µm
	Cladding Diameter	125 ± 0.47µm
	Cladding non-circularity	≤ 0.7%
	Coating diameter (uncoloured)	245 ± 10µm
Optical Characteristics	Cut-off wavelength	≤ 1260nm
	Attenuation coefficient: @1310nm Max. (Typical) @1383nm Max.	≤ 0.36dB/km (≤0.35dB/km) ≤ 0.35dB/km
	@1310nm Max. (Typical) @1383nm Max.	≤ 0.23dB/km (≤0.22dB/km) ≤ 0.25dB/km



Construction of cable	Items of Properties	Value
Optical Characteristics	Bending loss @1625nm, 15mm mandrel radius, 10 turns	≤ 1.0dB
	Attenuation uniformity	≤ 0.05dB
	Chromatic dispersion coefficient: @1285~1340nm @1550nm @1625nm	≤ 3.4ps/nm.km ≤ 18ps/nm.km ≤ 22ps/nm.km
	Zero dispersion wavelength	1300~1324nm
	Zero dispersion slope	≤ 0.092ps/nm <sup>2</sup> .km
	PMD Link design value	≤ 0.1ps/√.km
	PMD (max. individual fibre)	≤ 0.2ps/√.km
Mechanical Characteristics	Proof test level	100kpsi (9.0N)
	Coating Strip (nominal)	1.7N/3cm
Environmental Characteristic (uncabled fibre)	Temperature dependence (-60°C~+85°C)	≤ 0.05dB/km
	Temperature-humidity Cycling (-10°C~+85°C/98% relative humidity)	(@1310nm/@1550nm/@1625nm)
Temperature Range	Operating Temperature	-30°C~+60°C
	Installation Temperature	
	Storage & Shipping Temperature	

Please note we took the up-most care to compile the information in this datasheet. To the best of our knowledge all info provided were correct at the time of creation. Should any specs change we try to update info accordingly. Information are subject to change without notice. In the case that you find any irregularity please inform our team at [contactus@dynamix.co.nz](mailto:contactus@dynamix.co.nz)  
 Last updated: 8 November 2023

