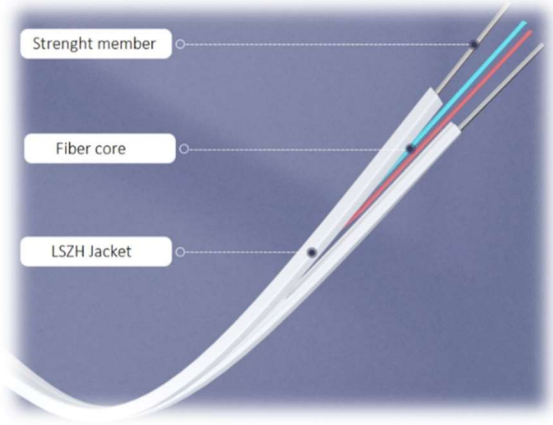
FTTH 2 Core Indoor Flat Drop Cable (FRP)

FTTH Indoor cables are used internally in buildings or for residential applications. In the center of the cable is the optical fibers, with the two parallel non-metal enhanced FRP as the strength member, and surrounded with the LSZH jacket. Indoor FTTH cables have the same function as common indoor fiber cables, but also have some special features. FTTH indoor cables are smaller in diameter, water-resistant, soft and bendable. They are easy to deploy and maintain.

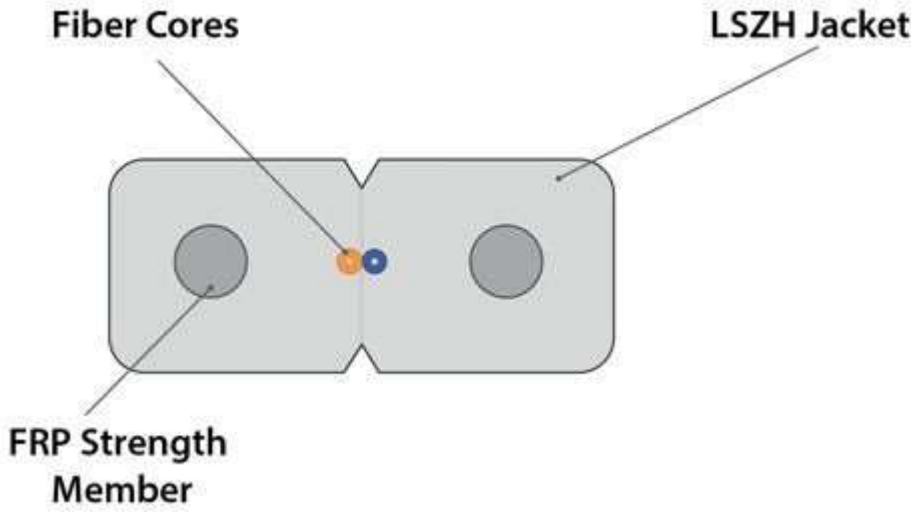


Features

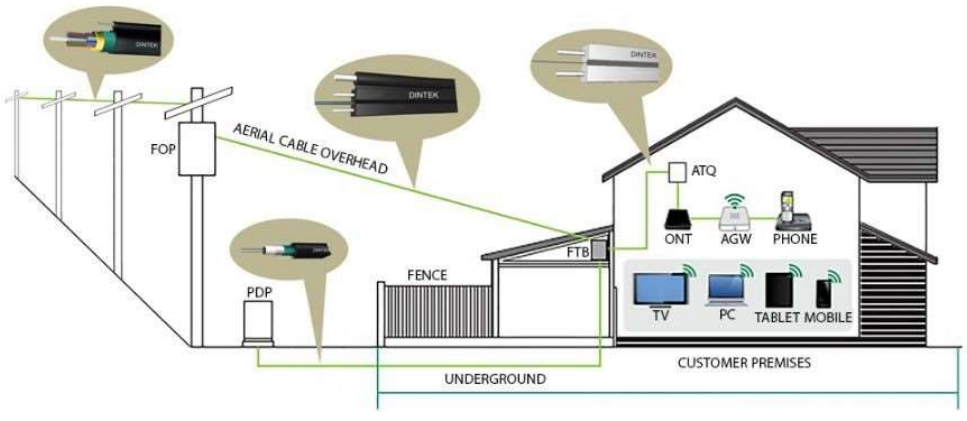
- Internal FTTH applications horizontal and riser
- Clipping to surfaces including skirting boards
- Single mode optical fibre meting ITU-T G.657
- Individually coloured optical fibres
- Notched 2 x 4 mm construction for easy stripping
- White LSZH jacket for internal use

Applications

- Indoor FTTH/FTTX/FTTR cabling application
- High speed optical routes in building
- High performance optical network operation



FTTx/FTTr Network Cabling Used



Ordering Information

Product Number	Colour Name	Item name	Std Pkg Qty
ATTEL-GJFBZY-2C	White	FTTH 2 Core Indoor Flat Drop Cable (FRP) - SM G657	1000m/reel
ATTEL-GJFBZY-2C	Black	FTTH 2 Core Indoor Flat Drop Cable (FRP) - SM G657	1000m/reel

Technical Specifications

Construction

Jacket & Buffers

Jacket Material	LSZH
Tight Buffer Fiber Diameter	250μm ± 50μm
Core Reinforcement	FRP
Fiber Size	9 / 125 micron
Cable Diameter	(2.0±0.2) × (3.0±0.2)

Buffer Diameters

Primary Buffer	250μm
Cladding Diameter (μm)	125±1.0
Weight (kg/km)	Approx. 8kg/km

Technical Data-Mechanical

Max. loading (IEC794-1)

Installation	80N (with steel wire)
Operation	40N (with steel wire)

Crush Resistance (IEC794-1)

Operation	1000 N / 100mm

Min. Bend Radius (IEC794-1)

Operation	15mm (without steel wire)

Temperature Rating Operation

Installation	-20°C to +60°C
Operation	-20°C to +60°C

Cable Dimensions

Fiber Type		G657						
		1310nm / 1550nm						
Attenuation	Typical	0.36dB / 0.22dB						
	Maximum	0.5dB / 0.4dB						
Macro-bend induced attenuation (@1550nm)	1 turn, 15mm diameter	≤0.5dB						
	1 turn, 20mm diameter	≤0.1dB						
	10 turn, 30mm diameter				≤0.03dB			
Zero Dispersion Slope	ps/km·nm2	≤0.092 ps/km·nm2						
Mode Field Diameter	μm	8.8±0.4μm						
Cutoff Wavelength Cable	nm	≤1260nm						