

Publish Date : 16.12.2019 | Rev no: 01

FTTH 2 Core Outdoor Aerial Flat Drop Cable

DINTEK Light-LINKS™ FTTH Outdoor cables are used externally on buildings or for residential applications. In the center of the cable is the optical fibers, with the two parallel non-metallic enhanced FRP as the strength member, and surrounded with the LSZH jacket. Outdoor FTTH cables have the same function as common outdoor fiber cables, but also have some special features. FTTH outdoor cables are small in diameter, water-resistant, soft and bendable. They are easy to deploy and maintain.

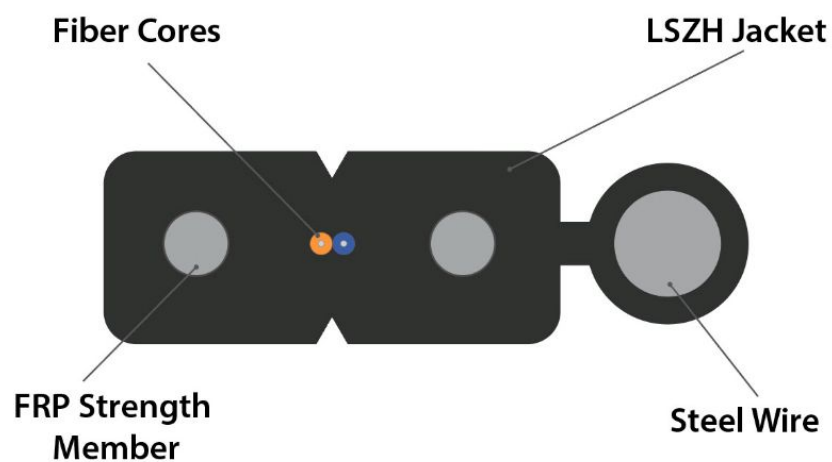
Main Features

- Single mode optical fiber meeting ITU-T G.652D
- Individually colored optical fibers
- Notched 2 x 4 mm construction for easy stripping
- Self-supporting structure, light weight, easy to install
- Durable and flame retardant LSZH sheath, low smoke zero halogen
- Steel wire as additional strength member has high tensile strength
- Two parallel KFRP strength members ensure good performance of anti-electromagnetic and crush resistance



Applications

- Outdoor aerial application
- Used in the FTTH projects
- High speed optical routes in building
- High performance optical network operation



Ordering Information

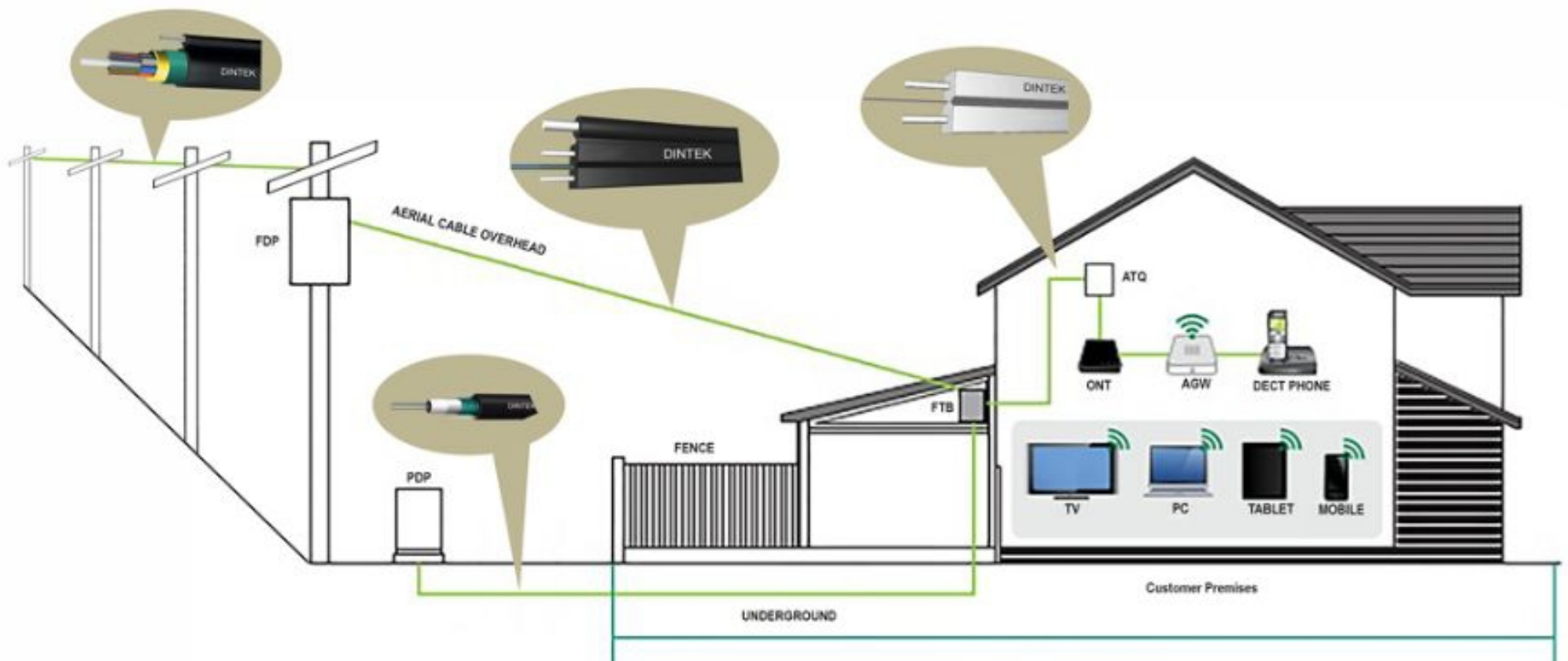
Product Number	Product Name	Std Pkg Qty	
2103-01049	FTTH 2 Core Outdoor Aerial Flat Drop Cable - SM G.652D	500m / Reel	
2103-01050	FTTH 4 Core Outdoor Aerial Flat Drop Cable - SM G.652D	500m / Reel	

Technical Specifications

Construction		Technical Data-Mechanical	
Jacket & Buffers		Max. loading (IEC794-1)	
Jacket Material	LSZH	Installation	660N (with steel wire)
Tight buffer fiber Diameter	250µm ± 50µm	Operation	300N(with steel wire)
Strength Member	Steel Wire	Crush Resistance	
Fiber Size	9 / 125 micron	Crush resistance(IEC794-1)	2200N/100mm
Buffer Diameters		Min. bend radius (IEC794-1)	
Primary Buffer	250µm	Minimum Bend Radius	15mm (without steel wire)
Cladding		Temperature Rating Operation	
diameter(µm)	125±1.0	Installation	-20°C ~ +60°C
		Operation	-20°C ~ +60°C

Technical Data-Transmission			
Fiber Type		G657A2	
		1310nm / 1550nm	
Attenuation	Typical	0.36dB / 0.22dB	
	Maximum	0.5dB / 0.4dB	
Macro-bend induced attenuation(@1550nm)	1turn, 15mm diameter	≤0.5dB	
	1turn, 20mm diameter	≤0.1dB	
	10turn, 30mm diameter	≤0.03dB	
Zero Dispersion Slope	ps/km·nm ²	≤0.092 ps/km·nm ²	
Mode field Diameter	µm	8.8±0.4µm	
	nm	≤1260nm	
Cutoff wavelength cable			

FTTx Network Cabling Used



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