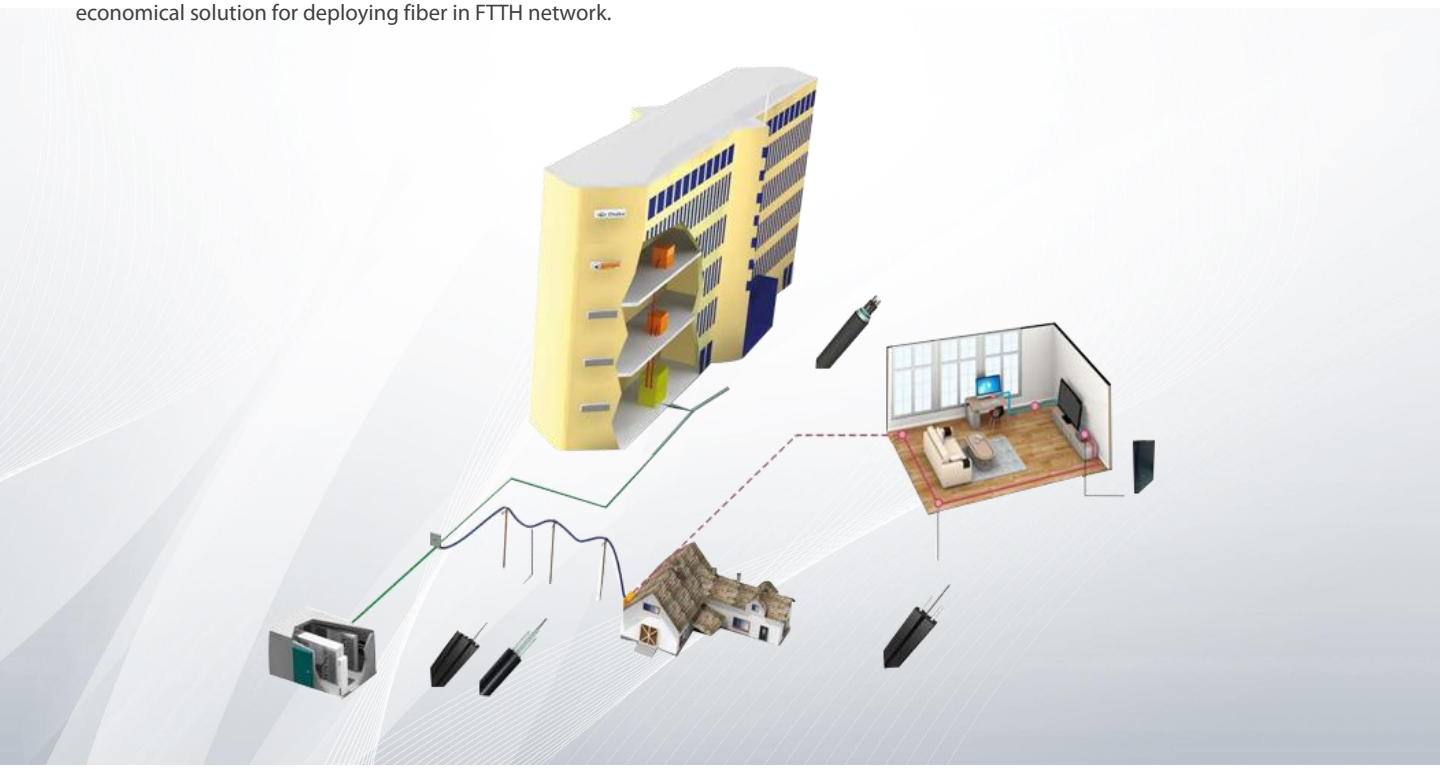
FTTH Fiber Optical Cable

FTTH Drop Cables are designed to connect the fiber access point to the ONT on the home in a FTTH network. It offers an efficient and economical solution for deploying fiber in FTTH network.



① FTTH Outdoor Aerial Cable

Central loose tube cables and self-supporting FTTH drop cables are desinged for outdoor aerial distribution. With non-metal strength member, suitable for access network and local network in high electromagnetic interfering places.

② FTTH Duct Cable

Armored FTTH duct cables are made for connecting user's devices with outdoor feeder cable, especially suitable for duct installation. It features good waterproorf and anti-rodents performance.

③ FTTH Indoor Cable

With simple installation, FTTH indoor cables can be directly connected to the homes. They are suitable for connecting communication equipments, and used as access building cables in premise distribution system.

FTTH Fiber Cable

- Soft and flexible, good bending performance
- Easy to installation, handling and maintenance
- Good waterproof and flame retardant performance
- Specially used in the FTTH projects- indoor/outdoor installations

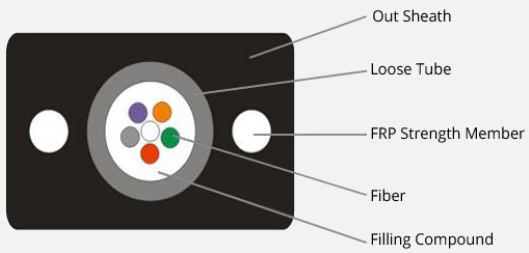
FTTH Fiber Cable

Central Loose Tube, Square FTTH Drop Cable

The fibers are positioned into a loose tube filled with grease, then protected by two FRP strength members and PVC/LSZH jacket. The filling compound has the water resistant performance and FRP strength member has an excellent anti-electromagnet ability and improves the tensile strength. FTTH outdoor drop cable can be used in outdoor distribution, and suitable for access network and local network in high electromagnetic interfering places.

Square FTTH Drop Cable FTTH-OS2-FRP-8FL

Inner Structure FTTH-OS2-FRP-8FL



Features and Benefits

- Low shrinkage and high tensile strength
- PVC/LSZH jacket has good fame retardant performance
- FRP ensures excellent anti- electromagnetic performance
- Loose tube Isolates fibers from outside environment and mechanical stresses

Application

- Outdoor distribution
- Access network and local network
- Trunk power transmission system
- High electromagnetic interfering places

Technical Specification

Parameter	Unit	Life Cycle	4F	8F	12F
Minimum Tensile Strength	N	short term	1000	1000	1000
		long term	300	300	300
Minimum Crush Load	N/100mm	short term	1000	1000	1000
		long term	300	300	300
Minimum Bending Radius	MM	short term	20D	20D	20D
		long term	10D	10D	10D
Storage Temperature	℃	-40 to +60			

Optical Characteristic

Parameter	Unit	G.652		50/125μm		62.5/125μm	
Attenuation	dB/km	1310nm	≤0.36	850nm	≤3.0	850nm	≤3.0
		1550nm	≤0.22	1300nm	≤1.0	1300nm	≤1.0
Bandwidth	MHz· km	-	-	850nm	≥600	850nm	≥200
		-	-	1300nm	≥1200	1300nm	≥600
Numerical Aperture	NA	-		0.200±0.015		0.275±0.015	

Order Information

Central Loose Tube, Square FTTH Drop Cable

Fiber Count	Part Number	Flammability Rating	Cable Diameter (mm)	Weight (kg/km)
		Singlemode 9/125 OS2		
4F	FTTH-OS2-FRP-4FL	LSZH	3.2x5.5	55
8F	FTTH-OS2-FRP-8FL	LSZH	3.2x5.5	55
12F	FTTH-OS2-FRP-12FL	LSZH	3.2x5.5	55
		Multimode 62.5/125 OM1		
4F	FTTH-OM1-FRP-4FL	LSZH	3.2x5.5	55
8F	FTTH-OM1-FRP-8FL	LSZH	3.2x5.5	55
12F	FTTH-OM1-FRP-12FL	LSZH	3.2x5.5	55
		Multimode 50/125 OM2		
4F	FTTH-OM2-FRP-4FL	LSZH	3.2x5.5	55
8F	FTTH-OM2-FRP-8FL	LSZH	3.2x5.5	55
12F	FTTH-OM2-FRP-12FL	LSZH	3.2x5.5	55

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