

# NORMAL OUTDOOR OPTICAL CABLE

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# Description

Fitek produces a wide range of outdoor optical cables, including normal non-metallic loose tube cables and metallic loose tube cables. The normal loose tube cable category includes single-loose, dual-loose, and multi-loose tube outdoor cables with small cable diameters. Additionally, Fitek offers anti-rodent outdoor cables, which are designed with the first protection layer of glass yarns and the second protection layer of hard FRP (fiber-reinforced plastic).

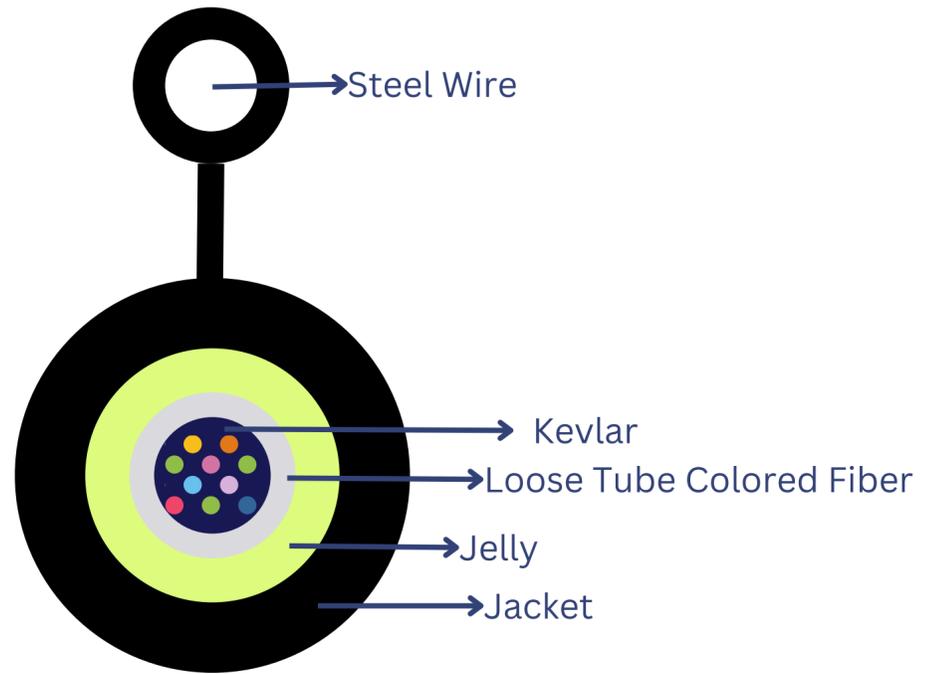
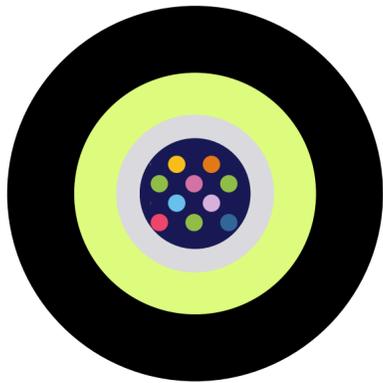
# Features

- Outdoor optical cable meets the international standard of IEC-60794
- Fitek's normal outdoor cables are designed with small cable diameters and all-dielectric structures to prevent thunder lightning
- The diameter of a single loose tube cable can be from 5.0mm to 7.5mm and fiber counts from 4 fibers up to 24 fibers
- The diameter of dual-loose tube cable can be from 6.5mm to 7.5mm with 24 fiber counts
- The diameter of multi-loose tube cable can be from 8.0mm to 11.0mm and fiber counts from 48 fibers up to 96 fibers
- Outer jacket is made by flame retardant LSZH to enhance fire retardant and low smoke performance and also UV resistance

# Applications

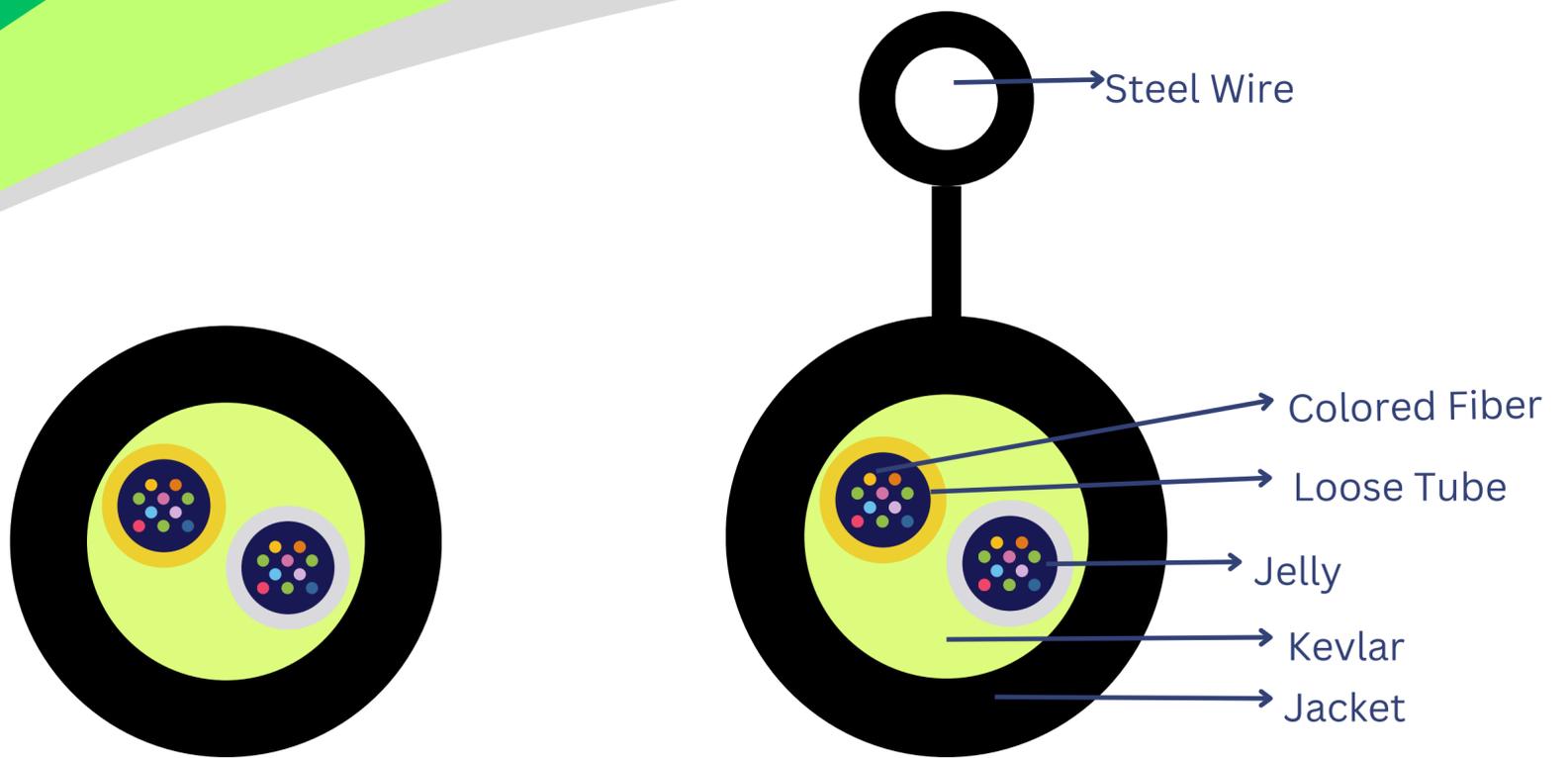
- Suitable for internal/external duct applications
- Ideal for use in outdoor intra-building link
- CATV、FTTX and FTTB last-mile optical network
- 5G smart light pole fiber network

# Specifications



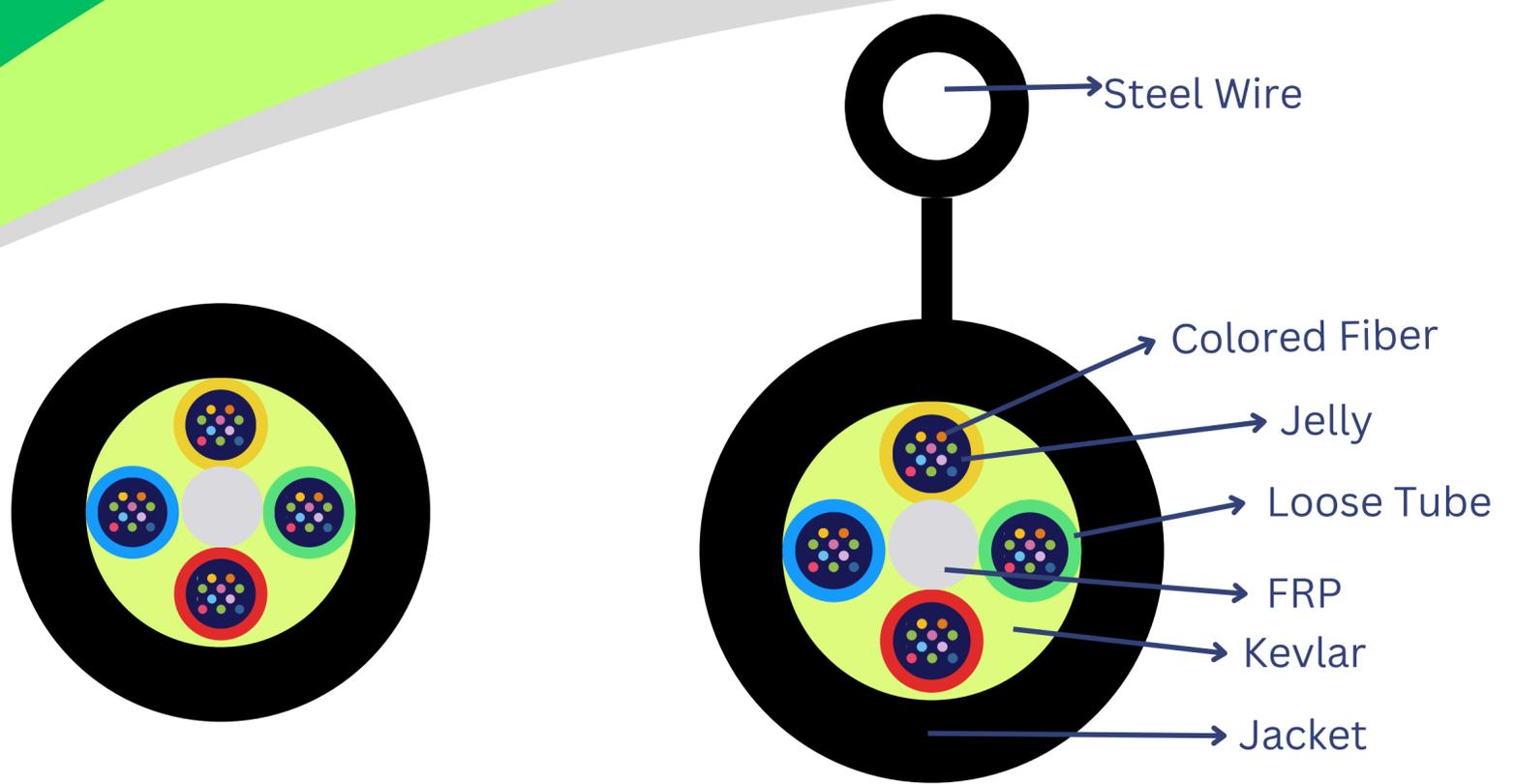
## Single Loose Tube Cable

Type	Non-Self Support	Self-Support
Fiber Count	4~12F	4~12F
Strength Member	Kevlar	Kevlar
Loose Tube Diameter (mm)	2.9 ± 0.2	2.9 ± 0.2
Steel Wire Diameter (mm)	-	2.0
Cable Diameter (mm)	5.0 ~ 7.5 (± 0.5)	5.0 ~ 7.5 (± 0.5)
Maximum Attenuation (dB/km)	0.4	@1310 nm
	0.3	@1550 nm
Material	LSZH	
Color	Black	



### Dual Loose Tube Cable

Type	Non-Self Support	Self-Support
Fiber Count	24F	24F
Strength Member	Kevlar	Kevlar
Loose Tube Diameter (mm)	2.3 ± 0.2	2.3 ± 0.2
Steel Wire Diameter (mm)	-	2.0
Cable Diameter (mm)	6.0 ~ 7.5 (± 0.5)	6.0 ~ 7.5 (± 0.5)
Maximum Attenuation (dB/km)	0.4	@1310 nm
	0.3	@1550 nm
Material	LSZH	
Color	Black	



Multi-Loose Tube Cable		
Type	Non-Self Support	Self-Support
Fiber Count	48F	96F
Strength Member	FRP + Kevlar	FRP + Kevlar
Loose Tube Diameter (mm)	2.0 ± 0.1	2.0 ± 0.1
Number of Loose Tube	4	8
Steel Wire Diameter (mm)	-	2.0
Cable Diameter (mm)	8.0 ± 0.5	11.0 ± 0.5
Maximum Attenuation (dB/km)	0.4	@1310 nm
	0.3	@1550 nm
Material	LSZH	
Color	Black	