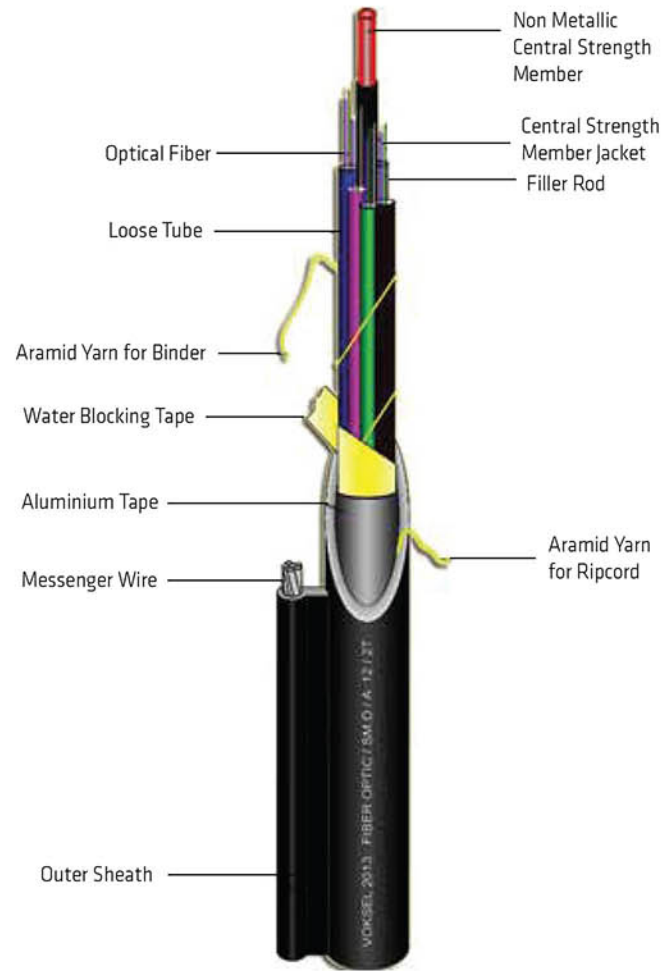


# OPTICAL FIBER CABLE FOR AERIAL INSTALLATION

## TYPICAL SPECIFICATION



This is optical fiber cable integrated with a messenger wire for aerial installation. This cable is loose tube core, use peripheral high strength yarn as strength member and use black UV PE Sheath on outer jacket. If armoring is necessary to prevent damage by rodents, insects, and shot guns, a corrugated Steel Tape can applied.

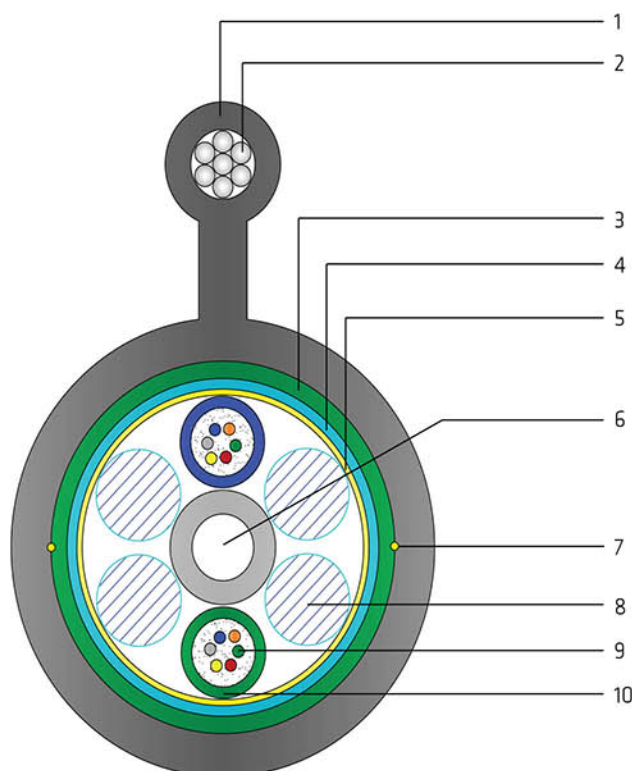
- Fiber Type** G652 A ~ D  
G653 A & B  
G654 A ~ C  
G655 A ~ E
- Cable Size** 4 ~ 264 Cores
- Standard** ITU-T G Series  
IEC 60793/IEC 60794  
IEC 60304  
STEL K-017-2009 ver. 2.0

Item	Number of Fiber			
	4 - 16	6 - 36	24 - 72	60 - 96
Fiber Number per Loose Tube	4 - 6	6 - 12	6 - 12	12
Max. Cable Outer Diameter (mm)	13	14	17	18

### Mechanical Characteristic

Property	Number of Fiber					Unit
	4-16	18-36	48	60-72	84-96	
Tensile strength	> 2850	> 2850	> 2850	> 2850	> 2850	N
Crush Resistant	≥ 2.2	≥ 2.2	≥ 2.2	≥ 2.2	≥ 2.2	KN/100mm
Max. Weight	± 228	± 310	± 312	± 320	± 400	Kg/Km
Min. Bending	250	270	300	300	300	mm
Temperature Storage :	- 40 to +70	- 40 to +70	- 40 to +70	40 to +70	40 to +70	°C
Installation :	- 30 to +60	- 30 to +60	- 30 to +60	- 30 to +60	- 30 to +60	
Operating :	- 40 to +70	- 40 to +70	- 40 to +70	- 40 to +70	- 40 to +70	

Characteristic	Value	Unit
Proof Test	1	%
Additional Loss	< 0.1	dB
Radius	30	mm
Number of Turn	100	-



1. HDPE sheath
2. Steel wire messenger
3. Laminated Aluminum Polyethylene type
4. Water Blocking Tape
5. Peripheral strength member (Aramid Yarn).
6. Non Metallic Central Strength Member (GRP + PE coated)
7. Ripcord
8. Filler Rod
9. Single mode color code optical fiber
10. Gel filed PBTP color coded tube