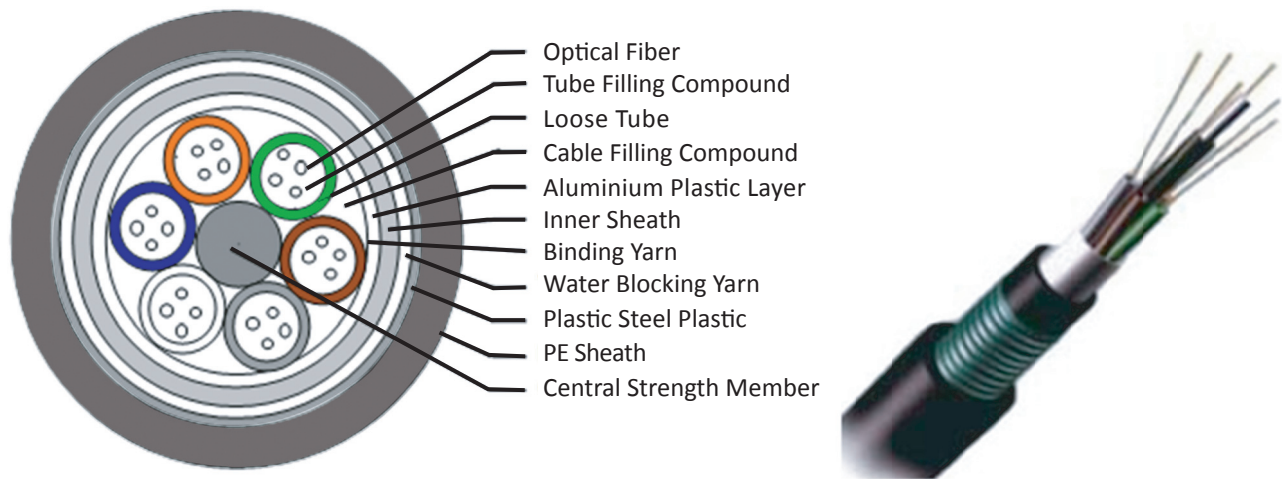


Description

CONNECSYS Loose tube style, optical fiber cable with metallic central strength member of steel wire , strand and moisture barrier inner sheathed. Cable protected by laminated aluminum tape, a corrugated steel armoring and a black PE over sheath for protection against mechanical damage and termite or rodent attack. Tubes contain single-mode or multi-mode optical fiber where color coded as per color coding scheme.



Suitable Applications

Aerial and Outdoor Duct.
Long-Haul Communication System, Junction Communication System,
Subscriber Network System, Local Area Network System.

Physical, Mechanical & Environmental Characteristics

Optical Fiber Count	2 – 30	32 - 36	38 - 48	50 – 60	62 -72
Number of Cores in One Tube	6	6	12	12	12
Loose Tube Material	Polybutylene Terephthalate (PBTP)				
Outer Diameter of Tube (mm)	1.75	1.75	2.15	2.15	2.15
Central Strength Member (mm)	2.00	2.00	2.25	2.25	2.25
Reference Outer Diameter of Cable (mm)	13.00	13.00	14.10	14.10	14.10
Reference Weight of Cable (kg/km)	170 - 225	170 - 225	198 - 250	198 - 250	198 - 255
Short Term Tensile Resistance (N)	3000	3000	3000	3000	3000
Short Term Crush Resistance (N/100mm)	3000	3000	3000	3000	3000
Minimum Bending Radius (mm)					
Dynamic Load	12.5 times of Cable Outer Diameter				
Static Load	25.0 times of Cable Outer Diameter				
Temperature Range (°C)					
Storage	-50°C to +70°C				
Operation	-40°C to +60°C				

Optical Fiber Core Chromatography

Fiber	1	2	3	4	5	6	7	8	9	10	11	12
Color	Blue	Orange	Green	Brown	Gray	White	Red	Black	Yellow	Violet	Pink	Aqua

Note: The color starts from No.1 when less than 12 optical fiber cores were placed in the loose tube

Cable Loose Tube Chromatography

Tube	1	2	3	4	5	6	7	8	9	10	11	12
Color	Blue	Orange	Green	Brown	Gray	White	Red	Black	Yellow	Violet	Pink	Aqua

Note: The color starts from No.1 when less than 12 optical fiber cores were placed in the loose tube