

# Stranded Loose Tube Non-Metallic CSM Non-Armored Fiber Optic Cable



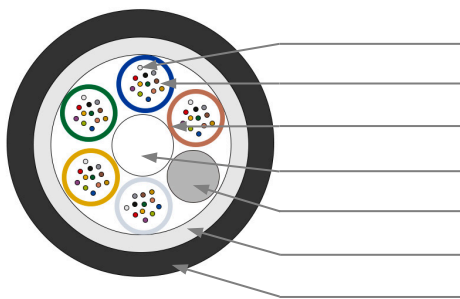
## Description

It is an outdoor communication cable with non-metallic FRP (fiber reinforced plastic glass) or PE-coated FRP central strength member and non armored structure. It's especially suitable for laying in pipelines and overhead communication system. All fibers are housed in stranded high-modulus plastic loose tubes with fiber filling compound for protection.

## Features

- Small size and light weight
- Good pressure resistance and flexibility
- Stranded loose tube
- Central strength member of FRP or PE-coated FRP
- Fiber filling compound protection
- Water-blocking tape or cable filling compound
- Black outer PE sheath

## Cable Structure



- 1 Optical Fiber
- 2 Tube Filling Compound
- 3 Loose Tube
- 4 FRP Central Strength Member (CSM)
- 5 Fillers
- 6 Water-blocking Tape
- 7 PE Sheath

## Technical Characteristics

Fiber Count	Loose Tubes	Fillers	Weight (kg/km)	Tensile Long/Short Term (N/100mm)	Crush Long/Short Term (N/100mm)	Bending Radius Static/Dynamic (mm)
2~36	1~6	5~0	86	400/1000	300/1000	10D/20D
38~109	4~6	2~0	109			
2~42	1~7	6~0	98	600/1500		
44~72	4~6	2~0	115			
2~48	1~8	7~0	119	1000/3000		
50~96	5~8	3~0	125			
98~120	9~10	1~0	149			
122~144	11~12	1~0	179			

**Applications:** Duct, Aerial