

# Cavo Technology

## STRANDED LOOSE TUBE AND NON-METALLIC FIBER OPTIC CABLE

### FEATURES

- Typical Structure: FRP
- Stranded loose tube fiber
- UV filled with PE jacket
- Accurate fiber excess length ensures good mechanical and temperature performance
- Rigorous processes, raw materials quality control, keep the performance of cable long-term stability
- Ensure the cable life expectancy greater than 30 years
- Water-blocking structure on all sections ensure of good waterproof and moisture resistant
- Central strength member adopts a higher young modulus of glass fiber reinforced plastic rods (FRP)
- All the gaps of the loose tube and cable core are filling with water-blocking jelly and compounds, which would not separate out hydrogen ion
- Complete jacket structure ensure cable of waterproof and moisture-proof
- Outer jacket has a good ultraviolet radiation
- Fiber optical cable is non-metallic construction, light weight, convenience installation, excellent resistance to electromagnetic capacity for electric power system and more thunder and lightning area



Fiber  
Tube filling compound  
Loose tube  
APL  
Cable filling compound  
PE sheath  
FRP strength member



### APPLICATION

- Suitable for internal / external duct applications
- Ideal for intra building links in campus environments
- Access network and local network in high electromagnetic interfering places
- Duct/Aerial

### SPECIFICATION

FIBER COUNT	NOMINAL OUTER DIAMETER	NOMINAL WEIGHT	MIN. BEND RADIUS		MAX. TENSILE STRENGTH		MAX. CRUSH RESISTANCE
			LOADED	INSTALLED	SHORT TERM	LONG TERM	
	mm	kg/km	mm	mm	N	N	N/100mm <sup>2</sup>
2~12	10.6	124	20D	10D	3000	1000	3000
14~24	12.5	149	20D	10D	3000	1000	3000
26~36	14.0	190	20D	10D	3000	1000	3000
38~48	15.0	216	20D	10D	3000	1000	3000

### ENVIRONMENTAL CHARACTERISTICS

Operation Temperature	-40°C~+60°C
Storage Temperature	-40°C~+60°C

#### Ordering Information

1. Cable type: SM or MM (Single-mode: yellow; Multi-mode: orange; options available for other colours)
2. Fiber Type: SM (G652D, G655C, G657A1, G657A2, G657B3) MM (OM1, OM2, OM3, OM4)
3. Fiber count: 2cores - 144cores
4. Cable length: 2000M / Drum ( Customized, MOQ=2000M)
5. Cable Jacket: Outer Sheath Black -PE / LSZH
6. Part Number : CV-NMXXYYZLS      XX = Cores   YY = SM/MM   Z = 5(50um)/6(62.5um)/9(9um)