Optical Fiber Cable

Outdoor All Dielectric Stranded Tube

Optical Fiber Cable are widely used nowadays to transmit data as light pulses through thin strands of glass or plastic. The Optical Fiber offers high speed data transmission, high bandwidth and immunity to electromagnetic interference, making them ideal for telecommunication and networking medium.

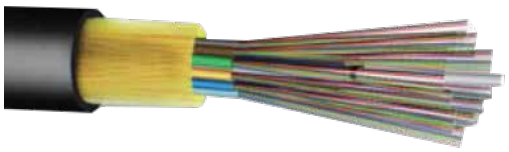
The Fiber Optic Cable comes in various design and construction, depending on area, location and site condition of where the Fiber Optic Cable will be installed. Most common cable design deployed in Malaysia are Duct/Underground Fiber Optic Cable, Aerial IB Fiber Optic Cable, Aerial ADSS Fiber Optic Cable, Anti-Rodent Cable (Steel Tape Armoring), OPGW Cable, etc.

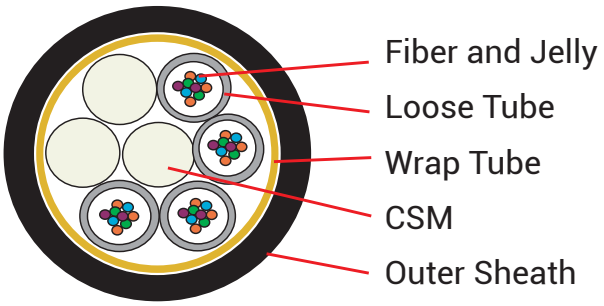
Description

- Loose tube style with a water-resistant jelly compound,optical fiber cable with non-metallic central strength member of FRP
- Glass Yarn Strength Member between PE sheath and package tape
- Non-metal structure has good electromagnectism resistant property,suitable for electric field and some areas where thunders usually happen and moisture-resistance
- Fiber choices of G657A1 or G652D

Application

- Suitable for ducts and aerial.
- Long distance communication system
- Local area network system
- Subsriber network system





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Product Specification

Parameter	Specification
Short-term Tensile Load	2700N
Long-term Tensile Load	1200N
Short-term Crush Load	2000N/100mm
Long-term Crush Load	300N/100mm
Minimum Static Bend Radius	10D
Minimum Dynamic Bend Radius	20D
Operation Temperature	-40°C~+60°C

Fiber Color Code			
01-Blue	04-Brown	07-Yellow	10-Black
02-Orange	05-Grey	08-Purple	11-Pink
03-Green	06-White	09-Red	12-Aqua

Tube Color Coding

Fiber Count	Tube / Fiber pertube	1	2	3	4	5	6	7	8	9	10	11	12
12 Core	2	Blue	Orange	Brown	Green	Gray	White						
24 Core	12	Blue	Orange	Filler	Filler	Filler	Filler						
48 Core	12	Blue	Orange	Brown	Green	Filler	Filler						
96 Core	12	Blue	Orange	Brown	Green	Gray	White	Yellow	Purple				
144 Core	12	Blue	Orange	Brown	Green	Gray	White	Yellow	Purple	Red	Black	Pink	Aqua

Ordering Information

Part Number	Fiber Count	Nominal Cable Diameter	Nominal Cable Weight
LTOC-CB-XX07-12	12	10.0±0.5mm	190.0 kg/km
LTOC-CB-XX07-24	24	10.0±0.5mm	90.0 kg/km
LTOC-CB-XX07-36	36	10.0±0.5mm	90.0 kg/km
LTOC-CB-XX07-48	48	10.0±0.5mm	90.0 kg/km
LTOC-CB-XX07-96	96	13.0±0.5mm	125.0 kg/km
LTOC-CB-XX07-144	144	16.5±0.5mm	185.0 kg/km

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LITECH is constantly pushing the limits of fiber optic telecommunications technology by introducing innovative concepts and making ground-breaking advancements that inspire significant human progress.

Our R&D teams push the extra miles to come out with applicable and innovative solutions to suits our customer's network . It is our passion and dedication to identify the next opportunity and realize a better tomorrow.

