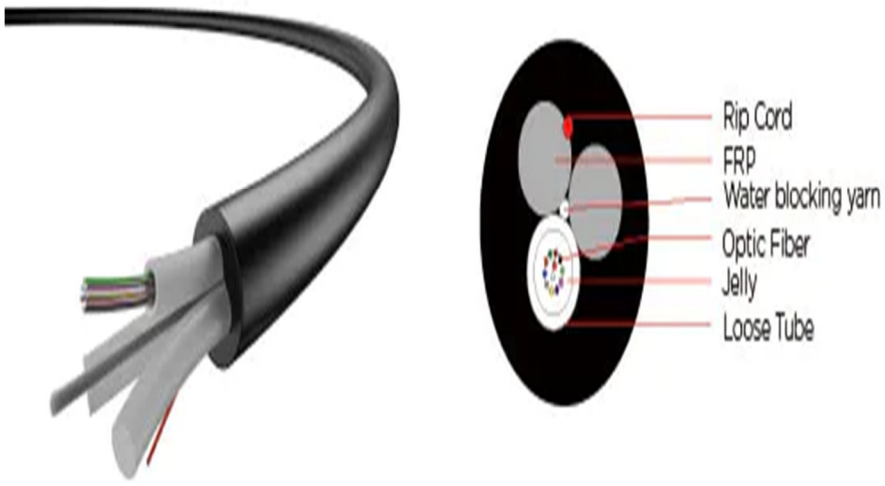
FiberLight

PN: FLOFCTAMC224

Optical Fiber CABLE

TECHNICAL DATA SHEET

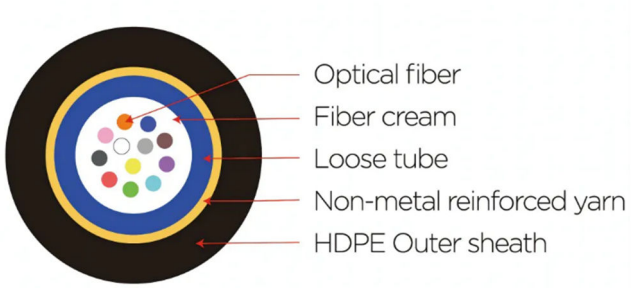
Conventional central tube air-blown micro cable (2-24 cores)



Conventional central tube air-blown micro cable (2-24 cores)

Product Description:

The Conventional Central Tube Air-Blown Micro Cable is a compact and lightweight optical fiber cable designed for installation in microducts using air-blowing technology. The optical fibers are housed within a central tube, providing a simple and efficient cable construction with a small outer diameter and excellent blowing performance.



The cable is available from 2 to 24 optical fibers and is suitable for FTTH, FTTx, access, metropolitan, and other high-speed optical communication networks.

Applications

- **FTTH** – Fiber-to-the-Home networks
- **FTTx** – Fiber access networks
- **Microduct Networks** – Air-blown fiber deployment
- **Access Networks** – Subscriber and distribution connections
- **Metropolitan Networks** – Optical access and distribution
- **Data Communication** – High-speed optical communication

Features

- Available in 2–24 optical fibers
- Designed for air-blowing / jetting installation
- Conventional central tube construction
- Compact and lightweight design
- Small outer diameter
- Low-friction outer sheath for efficient blowing
- Excellent fiber protection
- Easy and fast installation
- Suitable for long-distance air-blown deployment
- Flexible and easy to handle
- Water-resistant construction
- UV-resistant outer sheath
- Suitable for indoor and outdoor applications
- Supports efficient use of existing microduct infrastructure
- Low installation cost and reduced labor requirements

General Specifications

Parameter	Specification
Product Name	Conventional Central Tube Air-Blown Micro Cable
Cable Type	Air-Blown Micro Optical Fiber Cable
Fiber Count	2–24 FO
Fiber Type	Single-Mode
Fiber Standard	ITU-T G.652.D
Cable Structure	Central Tube
Installation Method	Air-Blowing / Jetting
Application	Microduct
Outer Sheath Material	HDPE
Outer Sheath Color	Black
Installation	Indoor / Outdoor

Cable Construction

Component	Specification
Optical Fiber	Single-Mode G.652.D
Fiber Coating	250 µm
Fiber Arrangement	Central Tube
Central Tube	PBT / Suitable Thermoplastic
Filling Material	Gel / Dry Water-Blocking Material
Strength Member	Dielectric Strength Member
Water Protection	Water-Blocking Material
Outer Sheath	HDPE
Outer Sheath Color	Black
Surface	Low-Friction

Optical Fiber Characteristics

Parameter	Specification
Fiber Type	G.652.D Single-Mode
Core / Cladding	9/125 µm
Operating Wavelength	1310 / 1550 nm

Typical Attenuation @1310 nm	≤ 0.35 dB/km
Typical Attenuation @1550 nm	≤ 0.21 dB/km
Maximum Attenuation @1310 nm	≤ 0.36 dB/km
Maximum Attenuation @1550 nm	≤ 0.22 dB/km
Cladding Diameter	125 ± 1 µm
Coating Diameter	245 ± 10 µm
Cable Cut-off Wavelength	≤ 1260 nm
Blowing Distance	According to cable and microduct design
Installation Method	Air-Blowing

Environmental Characteristics

Parameter	Specification
Operating Temperature	-40°C to +70°C
Installation Temperature	-20°C to +60°C
Storage Temperature	-40°C to +70°C
UV Resistance	Yes
Water Resistance	Yes
Outer Sheath	UV-resistant HDPE
Outdoor Application	Yes

Fiber Color Code

Fiber No.	1	2	3	4	5	6	7	8	9	10	11	12
Color	Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Violet	Pink	Aqua