

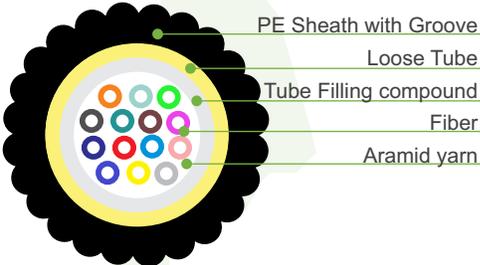
PRODUCT DATA SHEET

Uni-tube Air-Blown Micro Optical Fiber Cable



Introduction

Optical fibers are housed in a loose tube that is made of high-modulus plastic and filled with tube filling compounds. Aramid yarns are placed outside the loose tube as the strength member, then a sheath with groove is extruded. This type of cable is particularly applicable to air-blowing constructions in access networks.



Features

- Small size and lightweight
- Tube filling compound providing key protection for fibers
- Unique design of sheath with groove ensuring good air blowing performance
- Allowing to blow by phases to reduce initial investment
- High blowing speed up to 50m/min, and long blowing distance up to 1000m
- Allowing to blowout and replace with NTMFMY cables to keep technical superiority
- Allowing to cut micro ducts anywhere anytime for branch without influence s on other cables, saving manholes, hand holes and cable joints

Performance comparison of Air-blown Micro cables

Category	Characteristics	Blowing effect	Application
Enhanced performance Fiber unit (NTEP FU)	1. Small size 2. Light weight 3. Good Bending performance 4. Suitable Indoor installation	3stars***	FTTH
Uni-Tube air-blown micro cable (NTMFMY)	1. Small size 2.Lightweight 3. Good tensile and crush resistance	4stars****	Power system Lighting prone areas
Stranded Loose Tube air-blown micro cable (NTMFY)	1. High fiber density 2. High duct utilization 3. Much less initial vestment	5stars*****	FTTH Metropolitan arca Access networks

Technical characteristics

Type	Fiber count	Diameter	Weight (kg/km)	Tensile Strength Long/short(N)	Rush Resistance Long/short (N/100mm)
NTMMY-02 Sa2	2	2.3±0.05	4.0±0.1	0.15G/0.5G	150/450
NTMMY-04 Sa2	4	2.3±0.05	4.0±0.1	0.15G/0.5G	150/450
NTMMY-06 Sa2	6	2.3±0.05	4.0±0.1	0.15G/0.5G	150/450
NTMMY-08 Sa2	8	2.3±0.05	4.0±0.1	0.15G/0.5G	150/450
NTMMY-12 Sa2	12	2.3±0.05	4.0±0.1	0.15G/0.5G	150/450
NTMMY-24 Sa2	24	2.7±0.05	6.5±0.1	0.15G/0.5G	150/450

Note: G is the weight of optical cable 1kilometer



Blowing Characteristics

Fiber count	2	4	6	8	12
Duct diameter	5.0/3.5 mm				
Blowing pressure	8bar/10bar	8bar/10bar	8bar/10bar	8bar/10bar	8bar/10bar
Blowing distance	500m/1000m	500m/1000m	500m/1000m	500m/1000m	500m/800m
Blowing time	15min/30min	15min/30min	15min/30min	15min/30min	15min/30min

Environmental Characteristics

Transport/storage temperature: -20°C~70°C

Applications:

The cable can be used as the drop cable of distribution segments in FTTH networks and can be laid by air blowing to connect the branch point with the access point for subscribers. The cable is also applicable in backbone networks, metropolitan area networks and access networks

Delivery Length

Standard length:2000m, other length available

Category	Characteristics	Blowing effect	Application
Enhanced performance Fiber unit (NTEP FU)	1. Small size	3stars***	FTTH
	2. Light weight		
	3. Good Bending performance		
	4. Suitable Indoor installation		
Uni-Tube air-blown micro cable (NTMFMY)	1. Small size	4stars****	Power system
	2. Lightweight		Lighting prone areas
	3. Good tensile and crush resistance		
Stranded Loose Tube air-blown micro cable (NTMFY)	1. High fiber density	5stars*****	FTTH
	2. High duct utilization		Metropolitan area
	3. Much less initial investment		Access networks

PRODUCT DATA SHEET

Stranded Loose Tube Air-blown Micro Fiber optic cable for FTTH

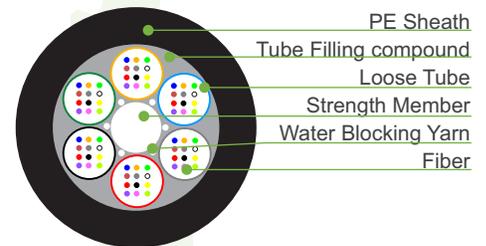
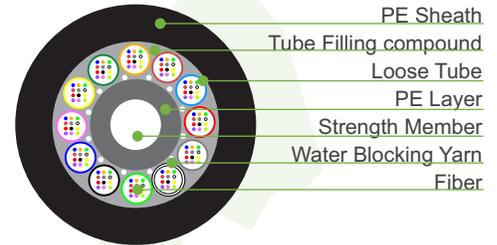


Introduction

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Features

- Smaller Diameter and lightweight
- Tube filling compound providing key protection for fibers
- Unique design of sheath with grooves ensuring good air blowing performance
- Allowing to blow by phases to reduce initial investment
- High blowing speed up to 50m/min, and long blowing distance up to 1000m
- Allowing to blowout and replace with NTMFY cables to keep technical superiority
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Performance comparison of Air-blown Micro cables

Category	Characteristics	Blowing effect	Application
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Uni-Tube air-blown micro cable (NTYFXTY)	1. Small size 2. Lightweight 3. Good tensile and crush resistance	4stars****	Power system Lighting prone areas
Stranded Loose Tube air-blown micro cable (NTMFY)	1. High fiber density 2. High duct utilization 3. Much less initial investment	5stars*****	FTTH Metropolitan area Access networks

Applications:

The cable can be used as the drop cable of feeder segments in FTTH networks and can be laid by air blowing to connect the branch point with the access point for subscribers. The cable is also applicable in backbone networks, metropolitan area networks and access networks.

Delivery Length

Standard length: 2000m; other length available

Environmental Characteristics

Transport/storage temperature: -20°C~70°C



Technical Characteristics

Type	Fiber count	Diameter	Weight (kg/km)	Tensile Strength Long/short(N)	Rush Resistance Long/short (N/100mm)
NTMMY-24 Sa2	24 (2*12)	4.5±0.1	16	0.3G/1.0G	150/500
NTMFY-48 Sa2	48 (4*12)	4.5±0.1	16	0.3G/1.0G	150/500
NTMFY-72 Sa2	72 (6*12)	4.5±0.1	16	0.3G/1.0G	150/500
NTMFY-96 Sa2	96 (8*12)	5.6±0.1	26	0.3G/1.0G	150/500
NTMFY-144 Sa2	144 (12*12)	7.2±0.1	43	0.3G/1.0G	150/500
NTMFY-192 Sa2	192 (16*12)	7.8±0.1	48	0.3G/1.0G	150/500
NTMFY-216 Sa2	216 (18*12)	7.8±0.1	48	0.3G/1.0G	150/500
NTMFY-240 Sa2	240 (20*12)	7.8±0.1	48	0.3G/1.0G	150/500
NTMFY-288 Sa2	288 (24*12)	8.1±0.1	58	0.3G/1.0G	150/500
NTMFY-144 Sa2	144 (6*24)	6.2±0.1	32	0.3G/1.0G	150/500
NTMFY-192 Sa2	192 (8*24)	7.2±0.1	48	0.3G/1.0G	150/500
NTMFY-240 Sa2	240 (10*24)	8.1±0.1	58	0.3G/1.0G	150/500
NTMFY-288 Sa2	288 (12*24)	9.3±0.1	80	0.3G/1.0G	150/500
NTMFY-432 Sa2	432 (18*24)	9.6±0.1	78	0.3G/1.0G	150/500
NTMFY-576 Sa2	576 (24*24)	11.2±0.1	110	0.3G/1.0G	150/500

Note: G is the weight of optical cable 1 kilometer

