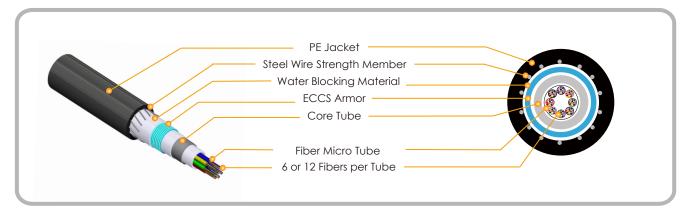
Tubes/T MPAR Steel Wire Reinforced Type

Constructions



Description

The **Tubes/T** MPAR cable is Tube-in-Tube cable structure, this cable contains 2 ~18 fiber micro tubes which are encased in a dry central tube, the inner tube is soft, flexible and can be peeled without any tool. This cable has an overlapping corrugated electrolytic chrome-coated steel (ECCS) tape armor and uses steel wires as strength members. Compared with traditional fiber bundle central core cable and loose tube cable, the **Tubes/T** cable has advantages in saving time for cable preparation. Fiber counts from 6 to 216 fibers.

Specifications

Fiber Count		6 ~ 48	60 ~ 96	144 ~ 216
Fibers Per Tube		6 or 12	12	
Strength Member (Steel Wire)		7	14	
Inside Micro Tube		Water Blocking Material		
Wrapping		Water Blocking Material		
Sheath		Black PE (LSZH for option)		
Cable Diameter: mm(approx)		11.6	13.5	16.5
Cable Weight: kg/km(approx)		115	149	200
Maximum Tensile Strength		2700 N		
Min. Bend Radius	Loaded:	20 times of cable diameter		
	Unloaded:	10 times of cable diameter		

^{*} LSZH: Low Smoke Zero Halogen.

Applications

- Local area networks
- Outside plant distribution system
- Long haul trunking and feeder
- Duct or direct buried installation
- CATV, CCTV, telecommunication

Features and Benefits

- Corrugated ECCS armor for durability and excellent in rodent resistance
- Central Tube cable design provides best fiber protection
- Inner fiber tube is gel-free water blocking
- Dry water blocking cable core design for less cable preparation time
- Small cable diameter and light weight for easy duct installation
- To integrate benefits of both traditional Central Tube and Loose Tube cable
- Due to flexible bending design, with 7-Wire Galvanized Steel Strand, it can be self-supporting type for aerial application

Color Code

2 3 5 7 9 6 8 10 11 12 13 14 15 16 17 18 Blue Orange Green Brown Slate White Red Black Yellow Violet Rose Aqua Blue Orange Green Brown Slate

Content is subject to change without notice.



^{*} Color arrangement would be changed to meet customers' requests, for 216 cores color code will be same as code1 ~ code 6 with extra marks.

Tubes/T[™] MPAR *Product Information*

Fiber Specification

Fiber Attenuation Singlemode		1310 nm ≤ 0.4 dB/km	PMD		< 0.2 ps/km ^{1/2}
		1550nm ≤ 0.3 dB/km	Mode-Field Diameter(SM) G.652D		1310nm: 9.0 ~ 9.4μm, ± 0.4μm
Multimode	850nm ≤ 3.5 dB/km	1550nm: 10.0 ~10.7μm ± 0.7μm			
	1300nm ≤ 1.0 dB/km		C / E 7 A	1310 nm: 8.6 ~ 9.4 µm, ± 0.4 µm	
<i>Bandwidth(MM)</i> OM2-50/125	850nm ≥ 500 MHz-km	G.657A		1550 nm: 9.6 ~10.7 μm ± 0.7 μm	
	1300nm ≥ 500 MHz-km	Multimode Core	50	50 μm ± 3 μm	
	OM2 50/125	850nm ≥ 1500 MHz-km		62.5	62.5 µm ± 3 µm
OM3-50/125	1300nm ≥ 500 MHz-km	Cladding Diameter		125 μm ± 1 μm	
62.5/125	850nm ≥ 200 MHz-km	Coating Diameter		250 μm ± 15 μm (colored)	
	1300nm ≥ 500 MHz-km				

Mechanical Specification (added attenuation: dB)

Tensile Strength	TIA/EIA-455-33	Singlemode ≤ 0.2 ; Multimode ≤ 0.3
Crush Resistance	TIA/EIA-455-41	Singlemode ≤ 0.2 ; Multimode ≤ 0.3
Cyclic Flexing	TIA/EIA-455-104	Singlemode ≤ 0.2 ; Multimode ≤ 0.3
Impact Resistance	TIA/EIA-455-25	Singlemode ≤ 0.2 ; Multimode ≤ 0.3
Cable Twist	TIA/EIA-455-85	Singlemode ≤ 0.2 ; Multimode ≤ 0.3

^{*} Compliant with Telcordia GR-20-Core and EIA/TIA standards.

Environmental Conditions

Temperature Range	Storage	-40°C to + 70°C
	Operating	-30°C to + 70°C
	Installation	-30°C to + 70°C

Ordering Information

		
Cable Type	Tubes/T MPAR	
Fiber Count	Max. 216	
Fiber Type	Singlemode: G.652D, G.657A	
	Multimode: OM1, OM2 or OM3	
Fiber Bundle	6 or 12	
Jacket Type	PE or LSZH(Low Smoke Zero Halogen) Jacket	