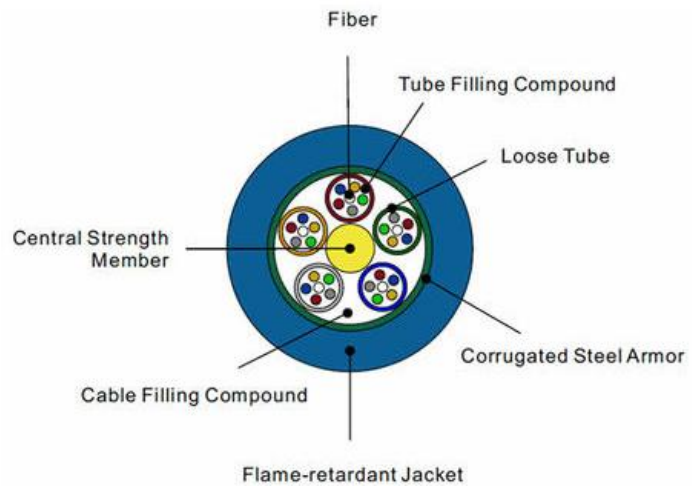


Outdoor Multi-tube

MGTS

Cross Section:



Technical data:

Numbers of fibers	6-8,10-12,14-24,30-72
Design(Strength Member+Tube&Filler)	Central FRP wires
Fiber type	Single mode G.652.D
Strength Member	PSP
Loose Tube	PBT
Filler Rope	No
Water Blocking Layer (Material)	Water Blocking tape
Additional Strength Member(Material)	No
Outer Sheath	Blue Flame Retardant Jacket
Cable Diameter($\pm 0.2\text{mm}$)	11.0mm;10.0mm
Cable Weight($\pm 10.0\text{kg/km}$)	90-110kg
Attenuation coefficient	@ 1310nm $\leq 0.35\text{dB}$; @ 1550nm $\leq 0.2\text{dB}$
Min. bending radius Without Tension	10.0×Cable- ϕ
Min. bending radius Under Maximum Tension	20.0×Cable- ϕ

Outdoor Multi-tube

Description:

The fibers, 250µm, are positioned in a loose tube made of a high modulus plastic. The tube are filled with a water-resistant filling compound. A steel wire, sometimes sheathed with polyethylene (PE) for cable with high fiber count, locates in the center of core as a metallic strength member. Tubes (and fillers) are stranded around the strength member into a compact and circular cable core. Then, the cable is completed with a Blue Flame Retardant Jacket.

- Good mechanical and temperature performance.
- High strength loose tube that is hydrolysis resistant.
- Special tube filling compound ensure a critical protection of fiber.
- Crush resistance and flexibility.
- Two parallel steel wires ensure tensile strength
- Small diameter, light weight and friendly installation
- Long delivery length
- Application:duct/aerial

Fibre Colors

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

Loose Tube Colors

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

Standards

ITU-T Rec. G.652.D	IEC 60794	GR-409
IEEE1222-2004	ICEA-596	YD/T 1997-2009
ISO9001		

Outdoor Multi-tube

Single mode optical fiber (ITU-T Rec. G.652.D)

Item	Description
Fiber type	Single mode
Fiber material	Doped silica
Attenuation coefficient	
@ 1310 nm	≤0.35 dB/km
@ 1383 nm	≤0.32 dB/km
@ 1550 nm	≤0.21 dB/km
@ 1625 nm	≤0.24 dB/km
Point discontinuity	≤0.05 dB
Cable cut-off wavelength	≤1260 nm
Zero-dispersion wavelength	1300 ~ 1324 nm
Zero-dispersion slope	≤0.092 ps/(nm ² .km)
Chromatic dispersion	
@ 1288 ~ 1339 nm	≤3.5 ps/(nm. km)
@ 1271 ~ 1360 nm	≤5.3 ps/(nm. km)
@ 1550 nm	≤18 ps/(nm. km)
@ 1625 nm	≤22 ps/(nm. km)
PMDQ (Quadrature average*)	≤0.2 ps/km ^{1/2}
Mode field diameter @ 1310 nm	9.2±0.4 μm
Core / Clad concentricity error	≤0.5 μm
Cladding diameter	125.0 ± 0.7 μm
Cladding non-circularity	≤1.0%
Primary coating diameter	245 ± 10 μm
Proof test level	100 kpsi (=0.69 Gpa), 1%
Temperature dependence 0oC~ +70oC (≤0.1 dB/km

Outdoor Multi-tube

Order Informations:

Marking	Per customer's request
Package	Per customer's request
Delivery time	Normally 25 days after received the deposit.
Brand	OEM

Online Service:

Skype	kingtone3
Wechat	king-tone
Whatsapp	0086 18268009191
Email	michael@zion-communication.com

