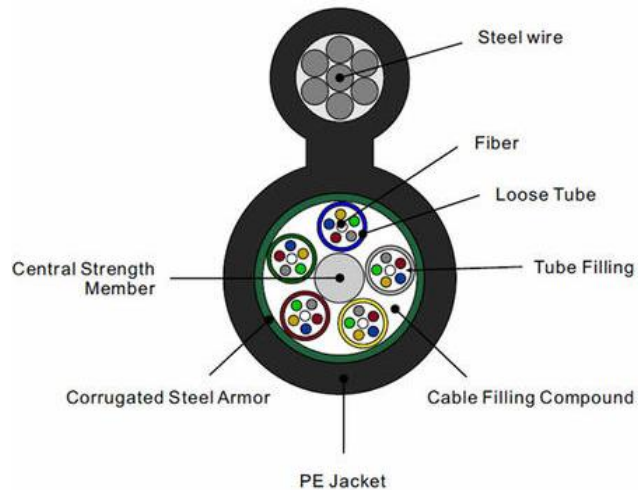


Outdoor Double Sheath Buried

Aerial Central Tube Outdoor Fiber Optic Cable GYTC8S

Cross Section:



Technical data:

Numbers of fibers	6-8,10-12,14-24,30-72
Design(Strength Member+Tube&Filler)	Central Steel wires+Stranded Loose Multi-tube Cable
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)	PSP
Outer Sheath	PE
Cable Diameter($\pm 0.2\text{mm}$)	6.8*9.2*18mm;7*9.5*18.5mm
Cable Weight($\pm 10.0\text{kg/km}$)	210-250kg
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

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Description:

The fibers, 250µm, are positioned in a loose tube made of a high modulus plastic. The tubes are filled with a water-resistant filling compound. A steel wire locates in the center of core as a metallic strength member. The tube (and fillers) are stranded around the strength member into a compact and circular cable core. After an Aluminum Polyethylene Laminate (APL) moisture battier is applied around the cable core, this part of cable accompanied with the stranded wires as the supporting part are completed with a polyethylene (PE) sheath to be figure 8 structure. figure 8 cable GYTC8Y, GYTC8Y are also available on request. This type of cable is specifically applied for self-supporting aerial installation.

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.
PSP enhancing moisture-proof.
Two parallel steel wires ensure tensile strength
Small diameter, light weight and friendly installation
Long delivery length
Application: Self-supporting/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		

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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	$\leq 1.0\%$
Primary coating diameter	245 ± 10 μm
Proof test level	100 kpsi (=0.69 Gpa), 1%
Temperature dependence 0°C ~ +70°C	≤ 0.1 dB/km

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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

