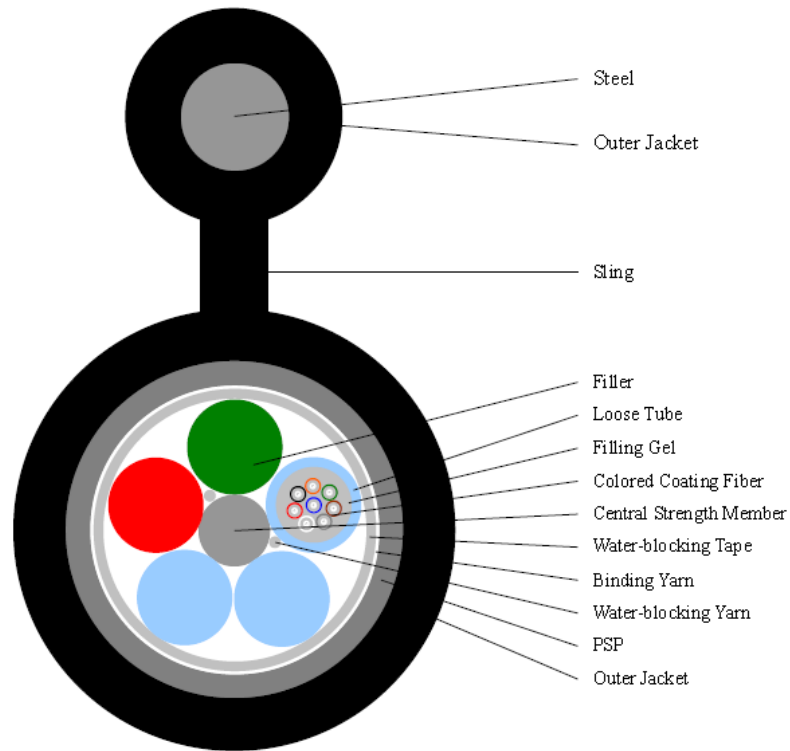


GYTC8S-8B1.3



Fiber Parameters

No.	Item		Unit	Specification G.652D
1	Mode Field Diameter	1310nm	μm	9.2±0.4
		1550nm	μm	10.4±0.5
2	Cladding Diameter		μm	124.8±1.0
3	Cladding Non-Circularity		%	≤1.0
4	Core-Cladding Concentricity Error		μm	≤0.6
5	Coating Diameter		μm	245±7
6	Coating Non-Circularity		%	≤6.0
7	Cladding-Coating Concentricity Error		μm	≤12.0
8	Cable Cutoff Wavelength		μm	$\lambda_{cc} \leq 1260$
9	Attenuation (max.)	1310nm	dB/km	≤0.36
		1550nm	dB/km	≤0.25

Cable Parameters

Item		Specifications
Fiber Count		8
Colored Coating Fiber	Dimension	250 μ m \pm 15 μ m
	Color	Blue, Orange, Green, Brown, Grey, Natural, Red, Black
Loose Tube	Dimension	1.95mm \pm 0.05mm
	Material	PBT
	Color	Natural
Filler	Dimension	1.95mm \pm 0.05mm
	Material	PP
	Color	Red, Green, Natural, Natural
Central Strength Member	Dimension	1.5mm
	Material	Steel wire
Strength Member	Dimension	2.1mm
	Material	Steel wire
Outer Jacket	Dimension	4.1mm \pm 0.3mm /10.0mm \pm 0.5mm
	Material	PE
	Color	Black

Mechanical and Environmental Characteristics

Item	Unit	Specifications
Tension (Long Term)	N	600
Tension (Short Term)	N	1500
Crush (Long Term)	N/10cm	300
Crush (Short Term)	N/10cm	1000
Min. Bend Radius (Dynamic)	mm	20D
Min. Bend Radius (Static)	mm	10D
Installation Temperature	°C	-20~+60
Operating Temperature	°C	-40~+70
Storage Temperature	°C	-40~+70

General Specification:

- 1) Number of fiber: 2-12
- 2) Characteristic of fiber:
 - Color: 12 different colors according to the chromatogram
- 3) The outer diameter of PBT loose tube:
 - $\phi 2.15 \pm 0.1 \text{mm}$
- 4) Steel tape
- 5) Steel wire
- 6) Outer jacket Material: PE
- 7) OD: $8.0 \pm 0.3 \text{mm}$

Application:

Model	Fiber	OD(mm)	Tube	Nominal	Max.Tension	(N)	Max.Resistance	Crush- ing(N/100)
	account		account	Weight(kg/km)	Short-term	Long-term	Short-term	Long-term
GYTC 8S	2--12	8.0 ± 0.3	1	63	2700	900	3000	1000

- 1) The true weight of optical cable may has some tolerance with the above stated values.
- 2) Temperature range
 - Storage or transportation: $-40 \sim 70^{\circ}\text{C}$
 - Operation: $-40 \sim 70^{\circ}\text{C}$

Package and Shipping Mark

Printing at out jacket of optical cable

White color printing words at each meter distance, standard printing content as following, also can customized printing as per customer's requirements.

- 1) Meter mark
- 2) Style of optical cable and fiber account
- 3) Manufacturer name
- 4) Manufacturer date
- 5) Package of optical cable
 - Standard length is 2KM per drum, other length requirements is acceptable.
 - Can be packed in wooden drum or plywood drum

Wooden drum

Label will be stucked at wooden drum, content as follow

- 1) Style of optical cable and fiber account
- 2) Length
- 3) Gross weight KGS
- 4) Total drums amount
- 5) Manufacturer date
- 6) The following information also will be exposed at the wooden drum
 - Rolling direction
 - Optical cable rolling tightly with the wooden drum, in order to prevent it will be broken during transportation.

For More Information:

Email: sales@telex.cn

www.telex.cn