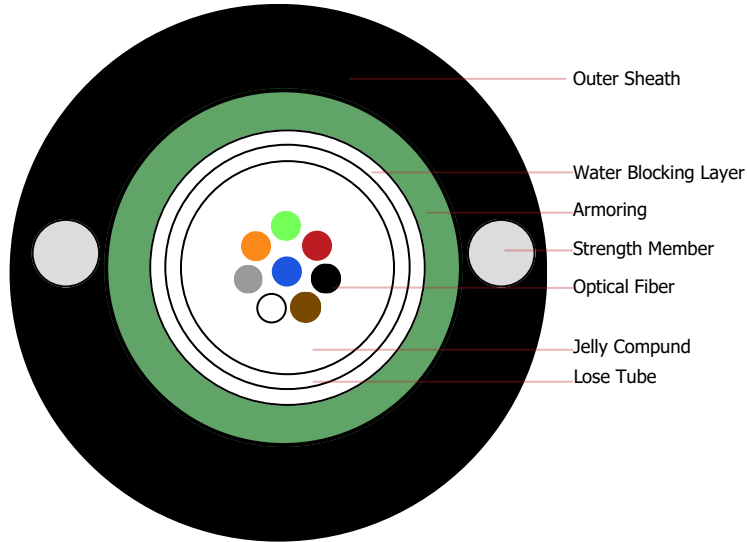


## GYXTW OUTDOOR FIBER CABLE SM 8C G652D STEEL STRIP HDPE BLACK



### Product Overview

The FiberCore GYXTW Outdoor Fiber Cable SM 8C G652D delivers reliable single-mode connectivity using low-loss G.652D fibers within a moisture-resistant loose tube structure. Reinforced with dual steel strip armor and a durable black HDPE sheath, this cable ensures superior mechanical protection for 8-core outdoor backbone installations

### Features

- 8-core single-mode G.652D fibers for low-loss, long-distance data transmission.
- Moisture-resistant central loose tube structure for fiber protection and stability.
- Dual steel strip armor for enhanced crush resistance and mechanical durability.
- Dual steel strength members provide excellent tensile strength and structural support.
- UV-resistant and water-blocking HDPE outer sheath ensures long-term outdoor protection.
- Compact, lightweight design for easier handling and installation.
- Suitable for aerial and duct installations in harsh environments.

### Applications

- Outdoor backbone and long-distance transmission networks.
- Industrial, telecom, and campus network infrastructure.
- FTTH feeder routes in access networks.
- Aerial and duct installations exposed to environmental stress.



**Want to know more about FiberCore?**

For more information visit [www.fibercore-plus.com](http://www.fibercore-plus.com) or contact [sales@fibercore-plus.com](mailto:sales@fibercore-plus.com)

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### Technical Specifications

No. of Cable		8
Fiber Model		G.652D
Strength Member	Material	Steel Wire
	Diameter ( $\pm 0.05$ ) mm	1.0
	NO	2
Lose Tube	Material	PBT
	Diameter ( $\pm 0.06$ ) mm	2.5
	Thickness ( $\pm 0.03$ ) mm	0.35
Water Blocking layer (Material)		Water Blocking Tape
Armoring	Material	Steel Strip
	Thickness ( $\pm 0.05$ ) mm	0.25
Outer Sheath Thickness ( $\pm 0.2$ ) mm		2.2
Outer Sheath (Material)		HDPE
Cable Diameter ( $\pm 0.2$ ) mm		8.5
Cable Weight ( $\pm 10$ ) kg/km		75
Min. bending radius	Without Tension	10.0×Cable- $\phi$
	Under Maximum Tension	20.0×Cable- $\phi$
Temperature range (°C)	Installation	-20~+60
	Transport & Storage	-40~+70
	Operation	-40~+70

### Fiber Color

No.	1	2	3	4	5	6
Color	Blue	Orange	Green	Brown	Gray	White
No.	7	8				
Color	Red	Black				



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### ■ The properties of single mode optical fiber (ITU-T Rec. G.652D)

Items	Specifications
Fiber type	Single mode
Fiber material	Doped silica
Attenuation coefficient @ 1310 nm @ 1383 nm @ 1550 nm @ 1625 nm	≤0.35 dB/km ≤0.30 dB/km ≤0.21 dB/km ≤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 <sup>2</sup> .km)
Chromatic dispersion @ 1288 ~ 1339 nm @ 1271 ~ 1360 nm @ 1550 nm @ 1625 nm	≤3.5 ps/(nm. km) ≤5.3 ps/(nm. km) ≤18 ps/(nm. km) ≤22 ps/(nm. km)
PMDQ (Quadrature average*)	≤0.2 ps/km <sup>1/2</sup>
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 0°C~ +70°C @ 1310 & 1550nm	≤ 0.1 dB/km

### ■ Ordering Information

Description	Part No.
GYXTW Outdoor Armored Fiber Optic Cable G.652D <b>SM 8 Core</b>	FC-33-00212-Y8



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