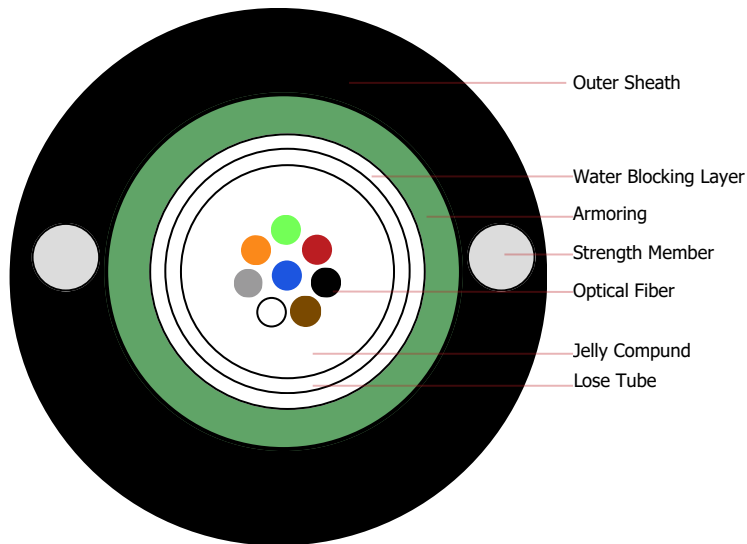


## GYXTW OUTDOOR FIBER CABLE MM 8C OM3-300 STEEL STRIP HDPE BLACK



### Product Overview

The GYXTW Outdoor Fiber Cable MM 8C OM3 ensures fast and reliable multimode connectivity using OM3 fibers optimized for low attenuation and high bandwidth transmission. Featuring dual steel wire strength members and corrugated steel strip armor, this black HDPE-sheathed cable delivers robust performance for 8-core outdoor network installations.

### Features

- OM3-300 multimode fibers for high-speed, high-bandwidth data transmission
- Low attenuation performance ideal for short to mid-range links
- 8-core configuration for expanded capacity in outdoor networks
- Dual steel wire strength members for reinforced mechanical durability
- Corrugated steel strip armor for added protection in rugged conditions
- Water-blocking tape for moisture resistance
- UV-resistant black HDPE outer sheath for long-term outdoor use
- Operating temperature range from -40°C to +70°C

### Applications

- Outdoor high-speed LAN and data backbone installations
- Inter-building fiber links for campus and enterprise environments
- Industrial or utility fiber networks requiring moderate fiber count
- Multimode telecommunications systems in outdoor settings



**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)

V1.0 - 09012025

## GYXTW OUTDOOR FIBER CABLE MM 8C OM3-300 STEEL STRIP HDPE BLACK

### Technical Specifications

No. of Cable		8
Fiber Model		OM3-300
Strength Member	Material	Steel Wire
	Diameter ( $\pm 0.05$ ) mm	1.0
	NO	2
Loose 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				



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)

V1.0 - 09012025

## GYXTW OUTDOOR FIBER CABLE MM 8C OM3-300 STEEL STRIP HDPE BLACK

### ■ The properties of multi mode optical fiber (ITU-T Rec. G.651.1)

Characteristic	Condition	Data	Unit
<b>Optical Properties</b>			
Attenuation	850nm	≤2.5	dB/km
	1300nm	≤0.7	dB/km
Overfilled bandwidth	850nm	≥1500	MHz•Km
	1300nm	≥500	MHz•Km
Effective bandwidth	850nm	≥2000	
10Gb / s Ethernet link length		300	m
Numerical aperture (NA)		0.185~0.215	
The differential modulus delay DMD		See FFOTOM3-300 within the template	
<b>Backscatter characteristics (1300nm)</b>			
Partly discontinuous point		≤0.1	dB
Fiber attenuation inhomogeneity		≤0.1	dB
Bidirectional backscattering coefficient difference		≤0.1	dB/km
<b>Geometric characteristics</b>			
Core diameter		50±2.5	μm
Cladding roundness		≤6.0	%
Coating diameter		125±2	μm
Cladding roundness		≤2.0	%
Coating / cladding concentricity error		≤1.5	μm
Coating diameter		245±10	μm
Core / package concentricity error		≤12.0	μm
Delivery length		1.1~8.8	km/reel



**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)

V1.0 - 09012025

## GYXTW OUTDOOR FIBER CABLE MM 8C OM3-300 STEEL STRIP HDPE BLACK

Environmental characteristics (850nm, 1300nm)			
Temperature additional attenuation	-60°C~+85°C	≤0.15	dB/km
Flooding additional attenuation	23°C±2°C, 30days	≤0.20	dB/km
Hot and humid additional attenuation	85°C and 85% Relative humidity, 30 days	≤0.20	dB/km
Dry heat aging	85°C±2°C	≤0.20	dB/km
Mechanical properties			
Screening tension		≥9.0	N
The macro bend Additional attenuation 100 laps Φ75mm	850nm&1300nm	≤0.5	dB
Coating peeling force	Typical average	1.5 ≥1.3 ≤8.9	N N
Dynamic fatigue parameters		≥20	

### Ordering Information

Description	Part No.
GYXTW Outdoor Armored Fiber Optic Cable G.651.1 <b>OM3-300 8 Core</b>	FC-33-00212-A8



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)

V1.0 - 09012025