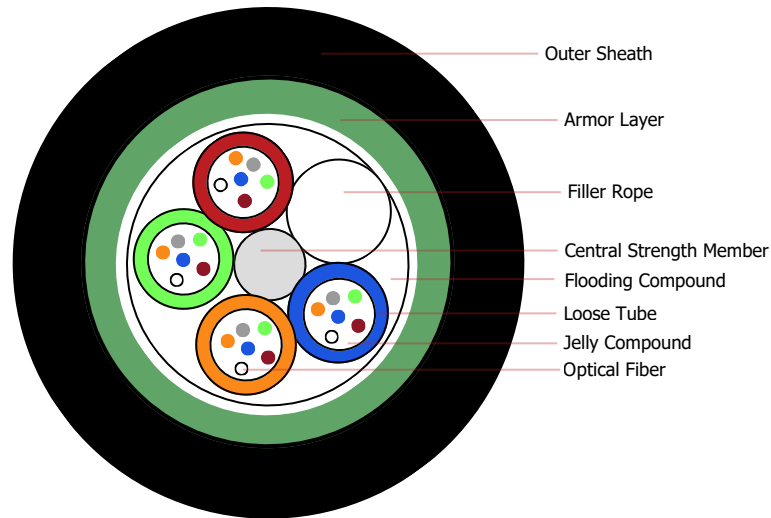


GYTA OUTDOOR FIBER CABLE 24C MM OM2 ALUMINUM TAPE HDPE BLACK (STEEL WIRE 1.5MM)



Product Overview

The GYTA Outdoor Fiber Cable 24C MM OM2 delivers reliable multimode fiber connectivity using OM2 fibers designed for low attenuation and high bandwidth. Reinforced with a 1.5mm steel wire strength member and aluminum tape armoring, this black HDPE-sheathed cable ensures durable performance for high-capacity 24-core outdoor installations.

Features

- OM2 multimode fibers for high-speed, short-to-mid range data transmission
- Low attenuation and high bandwidth for stable network performance
- 24-core configuration for high-density fiber connectivity
- 1.5mm central steel wire strength member for enhanced tensile support
- Aluminum tape armoring for lightweight yet reliable protection
- Water-blocking components to prevent moisture ingress
- Black HDPE outer sheath for UV resistance and outdoor durability
- Wide operating temperature range: -40°C to +70°C
- Ideal for robust, long-distance outdoor fiber deployments

Applications

- High-capacity outdoor backbone and distribution networks
- Large-scale campus or enterprise interconnection systems
- Industrial or municipal fiber infrastructure requiring lightweight armoring
- Multimode telecommunications networks with extensive fiber routing needs



Want to know more about FiberCore?

For more information visit www.fibercore-plus.com or contact sales@fibercore-plus.com

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Technical Specifications

No. of Cable		24
Fiber Model		OM2
Design (Strength Member+Tube & Filler)		1+5
Central Strength Member	Material	Steel Wire
	Diameter (±0.05) mm	1.5
LooseTube	Material	PBT
	Diameter (±0.06) mm	1.8
	Thickness (±0.05) mm	0.30
	The Max. Core NO./Tube	12
Water Blocking Layer (Material)		Flooding Compound
Moisture Barrier	Material	Aluminum Tape
	Thickness (±0.03) mm	0.25
Outer Sheath	Material	HDPE
	Thickness (±0.2) mm	1.7
Cable Diameter (±0.2) mm		9.5
Cable Weight (±10) kg/km		83
Min. Bending radius	Without Tension	10.0×Cable-φ
	Under Maximum Tension	20.0×Cable-φ
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	9	10	11	12
Color	Red	Black	Yellow	Violet	Pink	Aqua

Loose Tube Color

No.	1	2	3	4
Color	Blue	Orange	Green	Brown



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GYXTW OUTDOOR FIBER CABLE MM 24C OM2 STEEL STRIP HDPE BLACK

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

Characteristic	Condition	Data	Unit
Optical Properties			
Attenuation	850nm	≤2.3	dB/km
	1300nm	≤0.6	dB/km
Full injection bandwidth	850nm	≥500	MHz•Km
	1300nm	≥500	MHz•Km
Numerical aperture		0.200±0.015	
Zero dispersion wavelength		1295-1340	nm
A zero-dispersion slope	1295-1310	≤0.105	ps/(nm ² .km)
	1310-1340	≤0.000375	ps/(nm ² .km)
Group refractive index	850nm	1.482	
	1300nm	1.477	
The macro bend additional attenuation 100 Circle Φ75mm 4Circle Φ30mm	850nm	≤0.5	dB
	1300nm	≤0.5	dB
	850nm	≤1.0	dB
	1300nm	≤1.0	dB
Geometry Characteristics			
Core diameter		50±2.5	μm
Core roundness		≤5.0	
Cladding roundness		≤1.0	%
Cladding diameter		125.0±1.0	μm
Coating diameter		245±7	μm
Coating / package concentricity error		≤10.0	μm
Coating roundness		≤6.0	%
Core / package concentricity error		≤1.5	μm
Fiber length		≤17.6	Km/axis
Back scatter characteristics (1300nm)			
Steps (Mean value of two-way measurement)		≤0.1	dB
The irregularity of the length direction and the discontinuity of the point		≤0.1	dB
Attenuation in homogeneity		≤0.08	dB/km



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Environmental characteristics (850nm, 1300nm)			
Temperature additional attenuation	-60°C~+85°C	≤0.1	dB/km
Temperature-humidity cycle additional attenuation	-10°C~+85°C, 4%~98%Relative humidity	≤0.1	dB/km
Flooding additional attenuation	23°C, 30days	≤0.1	dB/km
Dry heat additional attenuation	85°C, 30days	≤0.1	dB/km
Hot and humid additional attenuation	85°C and 85% Relative humidity, 30 days	≤0.1	dB/km
Mechanical properties			
Screening tension		≥9.0	N
		≥1.0	%
		≥100	kpsi
Coating peeling force	Typical average Peak value	1.5	N
		≥1.3 ≤8.9	N
Dynamic fatigue parameters (Nd,Typical value)		27	

Ordering Information

Description	Part No.
GYTA Outdoor Armored Fiber Optic Cable G.651.1 OM2 24 Core	FC-33-00214-O24



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