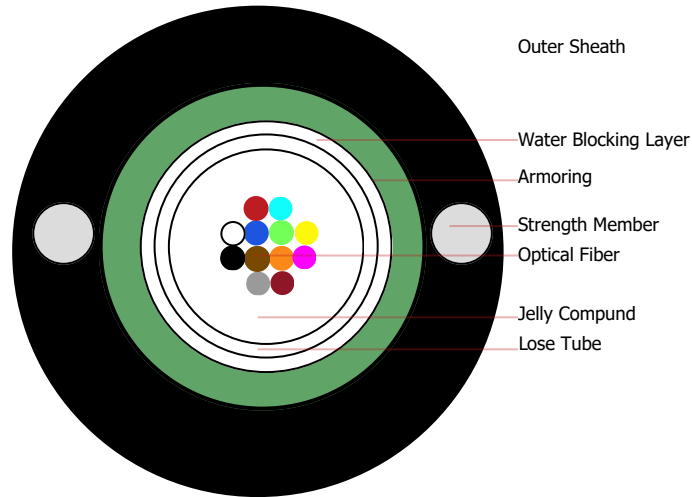


GYXTW OUTDOOR FIBER CABLE MM 12C OM3-300 STEEL STRIP HDPE BLACK



Product Overview

The GYXTW Outdoor Fiber Cable MM 12C OM3-300 delivers high-speed multimode connectivity using OM3 fibers designed for low attenuation and enhanced bandwidth. Constructed with dual steel wire strength members and corrugated steel strip armor, this black HDPE-sheathed cable ensures reliable 12-core performance in demanding outdoor installations.

Features

- OM3-300 multimode fibers for ultra-fast, high-bandwidth data transmission
- Low attenuation for consistent performance over short to medium distances
- 12-core configuration for high-capacity network demands
- Dual steel wire strength members for enhanced tensile strength
- Corrugated steel strip armor for superior mechanical protection
- Water-blocking tape to resist moisture penetration
- UV-resistant black HDPE outer sheath for rugged outdoor durability
- Operational temperature range: -40°C to +70°C

Applications

- Outdoor backbone and distribution networks for high-data loads
- Enterprise and campus fiber connections between multiple buildings
- Industrial fiber optic systems needing reliable multi-core cabling
- Multimode telecom applications in harsh outdoor environments



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		12
Fiber Model		OM3-300
Strength Member	Material	Steel Wire
	Diameter (± 0.05) mm	1.0
	NO	2
Lose Tube	Material	PBT
	Diameter (± 0.06) mm	2.5
	Thickness (± 0.03) mm	0.35
Water Blocking layer (Material)		Water Blocking Tape
Armoring	Material	Steel Strip
	Thickness (± 0.05) mm	0.25
Outer Sheath Thickness (± 0.2) mm		2.2
Outer Sheath (Material)		HDPE
Cable Diameter (± 0.2) mm		8.5
Cable Weight (± 10) kg/km		75
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



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

Characteristic	Condition	Data	Unit
Optical Properties			
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	
Backscatter characteristics (1300nm)			
Partly discontinuous point		≤0.1	dB
Fiber attenuation inhomogeneity		≤0.1	dB
Bidirectional backscattering coefficient difference		≤0.1	dB/km
Geometric characteristics			
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



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Environmental characteristics (850nm and 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 OM3-300 12 Core	FC-33-00213-A12



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