

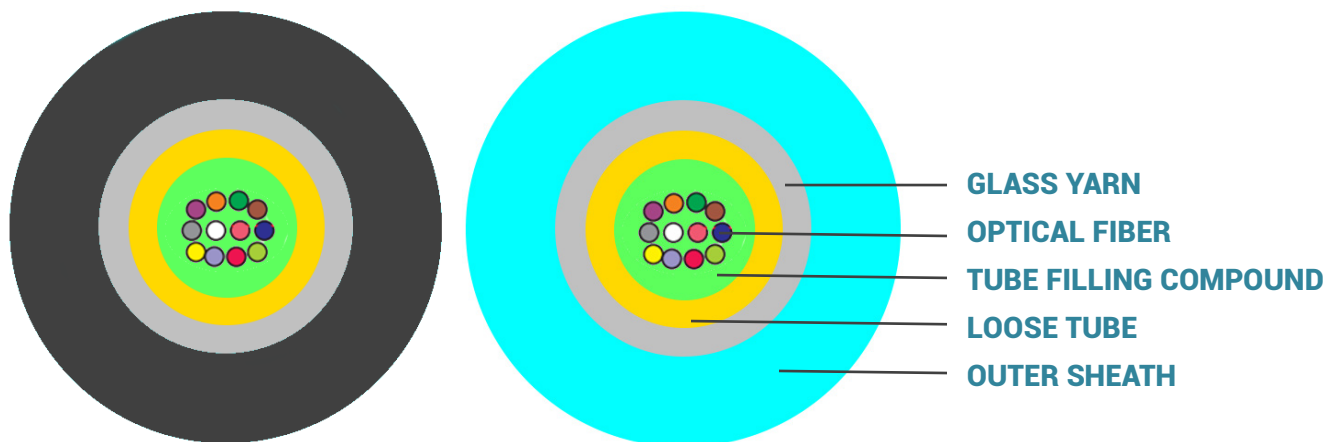
NT-FOCIO

Central Tube Non-metallic Optical Fiber Cable

GYFXTY structure

- ✓ **Non-metallic, PBT Loose Tubes Gel-filled**
- ✓ **Glass Yarn layer tubes wrapped**
- ✓ **LLDPE jacket, LSHF-FR, UV, fungus, abrasion, and rodent protected**
- ✓ **3000N max Tensile load, 20 years lifetime**

Universal indoor/outdoor NT-FOCIO cable can be used for LAN and WAN backbones, Telecom access lines, fiber to business and fiber to the building drop connections as well as fiber to the home drop and access connections. With its LLDPE sheathing this cable is ideal for outdoor installation where the installation conditions are not too difficult. The cable features a high tensile strength and a degree of rodent protection, effective in many cases. It is equally suited for installation in ducts and on trays. The cable is well suited for direct burial with proper sand back filling.



- 3000N central tube cable with up to 24 fibers, dielectric glass yarn armoring and LLDPE sheath.
- FO cable with central loose tube filled with gel for structured cabling.
- The cable is halogen free, flame and fire retardant, UV-resistant, metal-free, longitudinally water blocked and rodent-proof.
- The sheath is made of PE material, for outdoor use and direct burial.
- Crush resistance and flexibility, LSHF-FR, also suitable for indoor use.
- Small diameter, light weight, and friendly installation.

CERTIFICATIONS AND DESIGN STANDARDS

ISO/IEC 11801	Generic telecom cabling for customer premises
EN 50173	Information technology - Generic cabling systems
IEC 60794-1-1	Generic Specification Fiber Optic Cables
IEC 60794-1-21	Mechanical Test Methods
IEC 60794-1-22	Environmental Test Procedures
IEC60332-1-2; IEC60754-1; IEC60754-2; IEC61034-2	Halogen free, flame and fire retardant

Cable Properties

	Characteristic	
Physical	Number of fibers in the tube	4~24
	Loose Tube Diameter	2.8mm
	Strength member	Glass Yarn
	Jacket	Aqua or Black LLDPE (1.2mm thickness), LSHF-FR
	Cable OD (outer diameter)	6.7mm±0.2mm
	Cable weight	Approx 40kg/km
	Operation temperature range	-40°C~+70°C
	Installation temperature range	-10°C~+60°C
	Transport and storage temperature range	-40°C~+70°C
Mechanical	Max. Tensile load	Installation: 3000N Operation: 1000N
	Crush resistance	3000N/10cm
	Minimal installation bending radius	20×OD
	Minimal operation bending radius	10×OD
	Color code scheme	According to EIA/TIA 598

FIBERS

Netiks FOCIO cables are composed of fibers from HENG TONG GROUP (www.hengtonggroup.com) - one of the world's largest and most respectable manufacturers. HTGD BoneCom® G.652.D and BendCom® G.657.A2 singlemode, long-range as well as MultiCom® bending insensitive OM4 multimode optical fiber technologies are designed for the most demanding 10~100Gbps applications. Extended feature OM4 Data Center fiber is specifically designed for 10Gbps Ethernet with a low-cost 850nm VCSEL as the light source and has higher bandwidth and lower attenuation. The bending insensitive OM4 multimode optical fibers meet or exceed the ISO/IEC 11801 OM4 technical specifications and A1a.3 type of optical fibers in IEC 60793-2-10.



Ordering

PN	Description
NT-FOCIO-4M4	Central Tube Non-metallic Universal Indoor/Outdoor Multimode OM4 4 Fibers Cable
NT- FOCIO-8M4	Central Tube Non-metallic Universal Indoor/Outdoor Multimode OM4 8 Fibers Cable
NT- FOCIO-12M4	Central Tube Non-metallic Universal Indoor/Outdoor Multimode OM4 12 Fibers Cable
NT- FOCIO-24M4	Central Tube Non-metallic Universal Indoor/Outdoor Multimode OM4 24 Fibers Cable
NT- FOCIO-4SM	Central Tube Non-metallic Universal Indoor/Outdoor Singlemode G.652.D/G.657.A2 4 Fibers Cable
NT- FOCIO-8SM	Central Tube Non-metallic Universal Indoor/Outdoor Singlemode G.652.D/G.657.A2 8 Fibers Cable
NT- FOCIO-12SM	Central Tube Non-metallic Universal Indoor/Outdoor Singlemode G.652.D/G.657.A2 12 Fibers Cable
NT- FOCIO-24SM	Central Tube Non-metallic Universal Indoor/Outdoor Singlemode G.652.D/G.657.A2 24 Fibers Cable

OM1, OM2, OM3, OM5, G.655 and G.657 standard, Hybrid cables on demand

