

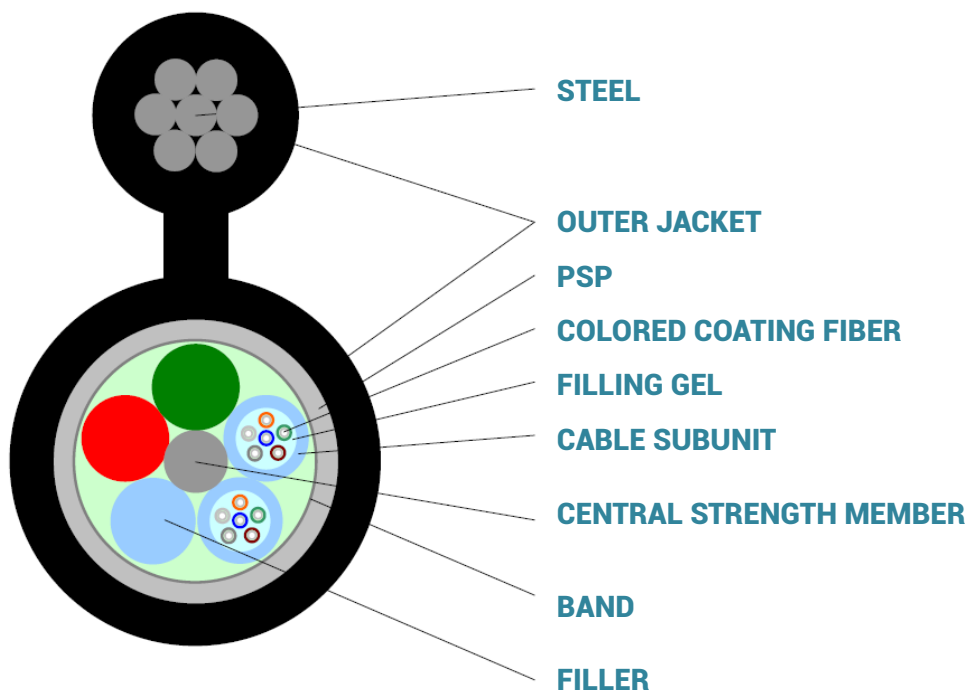
# NT-FOCF8

## Self-Supporting Aerial Outdoor Optical Fiber Cable

### GYFTC8S structure

- ✓ **Figure 8 self-supporting**
- ✓ **Integrated messenger**
- ✓ **Non-metallic strength member**
- ✓ **Stranded loose tube filling compound**
- ✓ **PE jacket**

One-step aerial deployment for up to 180m with integrated steel messenger, Netiks NT-FOCF8 Loose Tube Figure 8 version provides robust self-support aerial deployment and quick one-step installation using existing Figure 8 hardware and methods. Its 3mm Extra High-Strength galvanized steel support (7 x 1mm stranded) messenger can support spans up to 150m depending on environmental loading conditions. These cables uniquely combine adhesive armor, flexible buffer tubes, swellable water-blocking, and fiber coating, making access and implementation very simple. All materials used provide enhanced long-term reliability and guaranteed excellent mechanical properties, environmental and optical-power composite performance.



- High tensile strength to stranded wires meet the requirement of self-supporting and reduce installation costs.
- 8-digit self-supporting type structure possesses high tensile strength and is convenient for aerial installation and its installation cost is cheap.
- Vertical wrapped steel strip strengthens resisting lateral pressure ability and enhances moisture-proof.
- High strength PBT loose tube is hydrolysis resistant. Special factice is filled into inside of loose tube and takes key protection to optical fiber.
- Fiber Count 4 to 144 fibers in Color-coded Buffer Tubes
- Fiber Types Singlemode / Multimode / Hybrid
- Performance ANSI / ICEA 640, IEC, RUS 7 CFR 1755, Telecordia GR20, CE, RoHS, FCC
- Meets the loading conditions of heavy, medium, or light storm loading areas as defined by the National Electric Safety Code (NESC).

## Fiber Parameters

Items		Unit	Specification
Mode Field Diameter	1310nm	μm	9.2±0.4
	1550nm	μm	10.4±0.5
Cladding Diameter		μm	124.8±1.0
Cladding Non-Circularity		%	≤1.0
Core-Cladding Concentricity Error		μm	≤0.6
Coating Diameter		μm	245±7
Coating Non-Circularity		%	≤6.0
Cladding-Coating Concentricity Error		μm	≤12.0
Cable Cutoff Wavelength		nm	$\lambda_{cc} \leq 1260$
Attenuation (max.)	1310nm	dB/km	≤0.4
	1550nm	dB/km	≤0.3

## Cable Parameters

Items		Specification
Fiber Count		4~144 Core
Colored Coating Fiber	Dimension	250±15 μm
	Color	Blue, Orange, Green, Brown, Grey, White
Cable Subunit	Dimension	1.90±0.05mm
	Material	PBT
	Color	Natural
Filler	Dimension	1.90±0.05mm
	Material	PP
	Color	Red, Green, Natural
Strength Member	Dimension	3.0mm (7x1.0)
	Material	Steel
Central Strength Member	Dimension	1.5mm
	Material	FRP
Outer Jacket	Dimension	9.0±0.5mm-16.0±0.5mm
	Material	PE
	Color	Black

## ■ Mechanical and Environmental Characteristics

Items	Unit	Specification
Tension (Long Term)	N	1500
Tension (Short Term)	N	3000
Crush (Long Term)	N/10cm	1000
Crush (Short Term)	N/10cm	2000
Minimum Bend Radius (Dynamic)	Outer Diameter	20
Minimum Bend Radius (Static)	Outer Diameter	10
Maximum Span Distances (Heavy Load)	m	98~118
Maximum Span Distances (Medium Load)	m	118~150
Maximum Span Distances (Light Load)	m	150+
Maximum Rated Messenger Load	N	8500
Installation Temperature	°C	-40~+60
Operating Temperature	°C	-40~+70
Storage Temperature	°C	-40~+70

## ■ Ordering

PN	Description
NT-FOCF8-4SM	Self-Supporting Fig.8 Outdoor Singlemode 4 Fibers Cable
NT-FOCF8-8SM	Self-Supporting Fig.8 Outdoor Singlemode 8 Fibers Cable
NT-FOCF8-12SM	Self-Supporting Fig.8 Outdoor Singlemode 12 Fibers Cable
NT-FOCF8-24SM	Self-Supporting Fig.8 Outdoor Singlemode 24 Fibers Cable
NT-FOCF8-48SM	Self-Supporting Fig.8 Outdoor Singlemode 48 Fibers Cable
NT-FOCF8-4MM	Self-Supporting Fig.8 Outdoor Multimode OM2 4 Fibers Cable
NT-FOCF8-8MM	Self-Supporting Fig.8 Outdoor Multimode OM2 8 Fibers Cable
NT-FOCF8-12MM	Self-Supporting Fig.8 Outdoor Multimode OM2 12 Fibers Cable
NT-FOCF8-24MM	Self-Supporting Fig.8 Outdoor Multimode OM2 24 Fibers Cable
NT-FOCF8-48MM	Self-Supporting Fig.8 Outdoor Multimode OM2 48 Fibers Cable

72,144 fiber cables, OM3, OM4 cables, Hybrid cables on demand