

FTTH Mini Figure 8 Cable

FOSPC-001-E-FTTXMF8-00A26 / 1 Fiber

Applications



Indoor



Outdoor



Aerial



Duct Installation



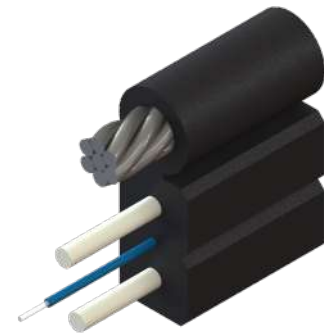
Self-supporting



Bend Insensitive



FTTx Cable



Protections



Flame Retardant



Low Smoke Emission



LSZH Cable

FTTH FIGURE 8 DROP UV RESISTANT STEEL
MESSENGER 01F G657A2 FIBER MT

Description

Waveoptics® FTTH Figure 8 Drop Cable is an economical, small factor, self-supporting cable, optimal for indoor/outdoor applications. The flat design offers easy stripping with no tools, simplifying the installation process.

For self-supporting applications, a galvanized steel messenger consisting of 7 steel wires with a total diameter of 1.2 mm is incorporated.

The optical fibers are positioned in the center of the cable, parallel FRP's (Fiber Reinforced Plastic) rods located on both sides as reinforcement against crushing and traction forces, protecting the fibers.

LSZH outer jacket offers great flame retardant properties, with low smoke and zero halogen materials, preventing it from being toxic, while providing UV and chemical resistance.

Quality

Waveoptics® is a ISO-9001:2015 certified company.

We meet or exceed the following international standards:

- IEC 60794: Basic requirements for optical fiber and cable elements.

Each Waveoptics® cable meets the highest quality standards in the industry and contains a compliance certificate in which the performed tests in our quality laboratory are physically attached.

Folio EI-090-01-EN

Last Review 1/19/2024

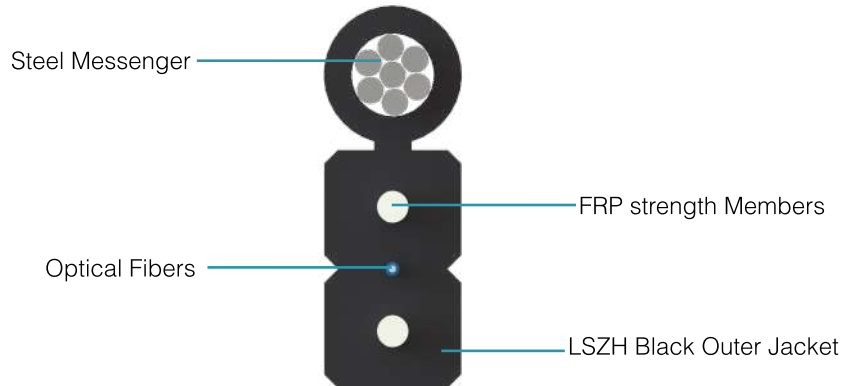
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TECHNICAL DATA SHEET INDOOR - OUTDOOR CABLE

FOSPC-001-E-FTTXMF8-00A26 / 1 Fiber

Dimensions & Properties



Design	
Fiber Count	1
Fiber Color Code	1
Dielectric Strength Member (Diameter)	FRP (0.51 mm / 0.02 in)
Messenger (Diameter)	Steel (1.20 mm / 0.047 in)
Outer Jacket Material / Color	LSZH / Black
Drum Length	2 km (±5%)
Temperature Range	
Operation	-30°C to 60°C (-22° F to 140° F)
Installation	-5°C to 60°C (14° F to 140° F)
Storage / Transport	-30°C to 60°C (-22° F to 140° F)
Mechanical Properties	
Tensile Strength (Long-Term / Short-Term)	Steel (300 N / 600 N)
Crush Resistance (Long-Term / Short-Term)	300 N / 100 mm / 1,000 N / 100 mm
Minimum Bend Radius (Operation / Installation)	10 x OD / 20 x OD

Note: Waveoptics® recommends storing cable in a proper temperature environment prior to installation to allow the cable temperature to meet installation temperature range specifications for best installation results.

Folio EI-090-01-EN

Last Review 1/19/2024

TECHNICAL DATA SHEET INDOOR - OUTDOOR CABLE

FOSPC-001-E-FTTXXMF8-00A26 / 1 Fiber

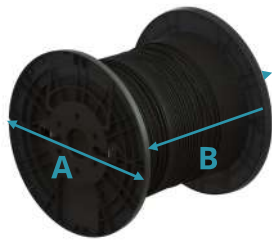
Dimensions & Properties

Fiber Count	Nominal Outer Diameter (mm) (in) (±5%)	NESC	SPAN (ft) (m)	Tension Strength (Loaded) (N) (lbf)	SAG-Loaded (%)	Cable Weight (kg/km) (lb/kft) (±10%)
1	5 x 2 (0.2 x 0.08)	LIGHT	700 (213)	600 (135)	1.00	20 (13.4)
		MEDIUM	400 (122)		6.90	
		HEAVY	180 (55)		8.20	

Printed Information on Outer Jacket

=/YEAR/WAVEOPTICS = = FTTXXMF8 = = /FIBERTYPE/ = = /FIBERCOUNT/ = = /METERS/M = = /#LOTE/=

- Printed in white and resistant to physical tests on marking
- Marking interval: every 1 meter ± 1%.



Fiber count	Reel Length (m) (ft) (±5%)	A (mm) (in) (±5%)	B (mm) (in) (±5%)	Reel Weight (kg) (lb) (±5%)	Pallet Capacity (m) (ft) (±5%)	a (mm) (in) (±5%)	b (mm) (in) (±5%)	c (mm) (in) (±5%)
1	2,000 (6,562)	360 (14)	375 (15)	43.5 (90)	72,000 (236,220)	1,200 (47)	1,200 (47)	1,800 (71)

All drums include:*

1. Test report certificate
2. Product description (weight, dimensions and part number).

TECHNICAL DATA SHEET INDOOR - OUTDOOR CABLE

FOSPC-001-E-FTTXMLF8-00A26 / 1 Fiber

Transmission Performance by Fiber Type

Fiber Type	Single Mode
Waveoptics Fiber Type	G657.A2
Waveoptics Fiber Code	E
Wavelength (nm)	1310/1550
Max.attn. (dB/km) (1)	0.38/0.23
Cable Marking Specifications	G657.A2

Notes:

(1) Maximum attenuation after cabling process

Part Number Configuration

FOSPC-001-E-FTTXMLF8-00A26

Fiber Count **Waveoptics® Fiber Type**

01 - 1 Fiber

E - SM G657.A2