





Toneable Micro Flat Drop Cable

SPC-XXX-X-TMCFDX-FTXXX-EX / 1-4 Fibers

Applications

















Protections



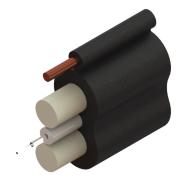












TONEABLE MICRO FLAT DROP UV RESISTANT CABLE 900UM LSZH TIGHT BUFFER 01F G652D FIBER FT

Note: Protections marked with "*" are only applicable for the tight buffer in the 900um configurations. The rest are only applicable for the outer jacket.

Description

Waveoptics® Toneable Micro Flat Drop Cable is designed for self-supporting, direct-buried and duct installations. Ideal for drop applications, offering ease of access as well as easy installation. Compact and robust design provides ease of handling and also reduces transportation and storage costs. Available in 250 micron bare (1 to 4 fibers) and 900 (01 fiber) micron tight-buffered (1 fiber) configurations.

PE single jacket with additives makes a resistant, durable and easy to strip cable, providing superior protection against UV radiation, fungus, abrasion and other environmental factors.

Two parallel dielectric strength members that offer exceptional crush resistance. The FRP strength members are coated with EAA for improved adherence.

Copper toning conductor allows effortless detection in direct-buried installation.

Quality

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

We meet or exceed the following international standards:

- Telcordia GR-20: Generic requirements for optical fiber and optical fiber cable.
- IEC 60794: Basic requirements for optical fiber and cable elements.
- ANSI/ICEA S-87-640: Standard for optical fiber outside plant communications cable.

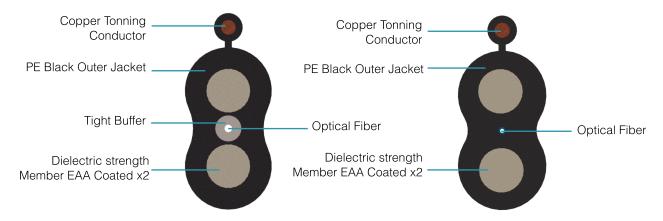
Each Waveoptics® cable meets the highest quality standards in the industry and contains a compliance certificate in which the performed tests in our quality laboratory are physically attached.



TECHNICAL DATA SHEET INDOOR - OUTDOOR CABLE

FOSPC-XXX-X-TMCFDX-FTXXX-EX / 1-4 Fibers

Dimensions & Properties



Design								
Fiber Count	1 - 4							
Fiber Color Code (250 um Configuration / 900um Tight Buffer Configuration)	1 2 3 4 /							
Dielectric Strength Member Material / Dlameter	EAA Coated FRP / 1.35 mm							
Toning Conductor	24 AWG Copper Wire							
Outer Jacket Material	LLDPE							
Tight Buffer Material (900 um Configuration)	LSZH							
Drum Length	Length 5,000 ft, 10,000 ft & 20,000 ft (±5%)							
	Temperature Range							
Operation	-40°C to 70°C (-40° F to 158° F)							
Installation	-30°C to 70°C (-22° F to 158° F)							
Storage / Transport	-40°C to 70°C (-40° F to 158° F)							
	Mechanical Properties							
Crush Resistance (Short-Term / Long-Term)	2,200 N/100 mm / 1,100 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.



FOSPC-XXX-X-TMCFDX-FTXXX-EX / 1-4 Fibers

Dimensions & Properties

Cable Configuration		Tight Buffer Material	Cable Weight (kg/km)(lb/kft)(±10%)	Tensile Strength (N)(lbf) Long-Term/ Short-Term	Nominal Outer Dimensions (mm)(in)	Dielectric Strength Member Diameter (mm) (in)
Bare fiber (250um)	1-4	N/A	22 (14.8)	210 / 700 (47 / 157)	6.6 x 3.0 (0.26 x 0.12)	1.35
Tight buffer (900um)	1	LSZH	23 (14.8)	210 / 700 (47 / 157)	6.6 x 3.0 (0.26 x 0.12)	1.35

Printed Information on Outer Jacket for 250um Configuration.

= /MONTH/ /YEAR/ WAVEOPTICS OPTICAL CABLE = =TMCFD= = = /FIBER TYPE/= = /FIBER COUNT/= = /FEET*/ FT= = /LOT# /=

- Printed in white and resistant to physical tests on marking
- Marking interval: every 2 feet + 1%
- The marking can be changed according to customer requirements

Printed Information on Outer Jacket for 900um Configuration.

= /MONTH/ /YEAR/ WAVEOPTICS OPTICAL CABLE = =TMCFDL= = = /FIBER TYPE/= = /FIBER COUNT/= = /FEET*/ FT= = /LOT# /=

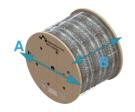
- Printed in black, except for dark colored cables, which will be printed in white.
- Marking interval: every 2 feet + 1%
- The marking can be changed according to customer requirements.

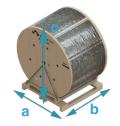


TECHNICAL DATA SHEET INDOOR - OUTDOOR CABLE

FOSPC-XXX-X-TMCFDX-FTXXX-EX / 1-4 Fibers

Drum Dimensions and Pallet Packaging Information

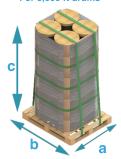


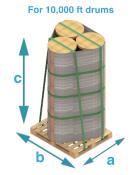


Cable Configuration		Fiber Count	A (mm)(in)(±5%)	()()(=o()	Drum and Pallet	Total Packaging(±5%)			
					Total Weight (kg)(lb)(±10%)	(mm)(in)	(mm)(in)	(mm)(in)	
Bare fiber (250 um)	20,000 (6,096)	1-4	730 (29)	600 (24)	142 (313)	1,219 (48)	762 (30)	821 (32)	
Tight buffer (900 um)	20,000 (6,096)	1	730 (29)	600 (24)	196 (432)	965 (38)	1,067 (42)	1,021 (40)	

For 5,000 ft drums







Cable	Drum Length (ft)(m)(±5%)	Fiber Count	A (mm)(in) (±5%)	B (mm)(in) (±5%)	Drum and Pallet Total Weight (kg)(lb)(±10%)	Pallet Capacity	Total Packaging(±5%)		
Configuration						(ft)(m)(±5%) ²	a (mm)(in)	b (mm)(in)	c (mm)(in)
Bare fiber (250 um)	5,000 (1,524)	1-4	450	370	640 (1,411)	90,000 (27,432)	1,016 (40)	1,219 (48)	1,615 (64)
	10,000 (3,048)		560	430	800 (1,764)	120,000 (36,596)			1,865 (75)
Tight buffer (900 um)	5,000 (1,524)	1	450	370	664 (1,464)	90,000 (27,432)	1,016 (40)	1,219 (48)	1,615 (64)
	10,000 (3,048)		560	430	836 (1,843)	120,000 (36,596)			1,865 (75)

All drums include:*

- 1. Drum handling instructions
- 2. Test report certificate
- Product description (weight, dimensions, lot and part number)
- 4. End cable marking
- 5. Both ends include end caps to protect against humidity



FOSPC-XXX-X-TMCFDX-FTXXX-EX/ 1-4 Fibers

Transmission Performance by Fiber Type

Fiber Type	Single Mode						
Waveoptics® Fiber Type	G657.A1	G657.A2	G657.B3				
Waveoptics® Fiber Code	Т	E	N				
Wavelength (nm)	1310 / 1550						
Max.attn. (dB/km) (1)	0.36/0.25	0.35/0.21	0.40/0.30				
Notes:		1	1				

⁽¹⁾ Maximum attenuation after cabling process

Part Number Configuration

FOSPC-0XX-X-TMCFDX-FTXXX-EX

	т.			\sim	_			4.
Fi	ır	20	rı	-	$\boldsymbol{\cap}$		n	•
	ш			_	u	u		ш

01 - 1 Fiber 02 - 2 Fibers 04 - 4 Fibers

Waveoptics® Fiber Type

T - SM G657.A1 E - SM G657.A2 N - SM G657.B3

Tight buffer material / Fiber configuration

N/A - Bare Fiber / 250um L - LSZH / 900um (only 1 fiber)

Drum Length

0C1 - 5,000 ft 0C2 - 10,000 ft 0C3 - 20,000 ft

Optical Cable Compliance

EX - Waveoptics® Slim Standard

Note: please contact your Waveoptics® distributor if you need any additional compliance or if you have questions about the part number configuration.

Folio El-080-01-EN