WAVEOPTICS

TECHNICAL DATA SHEET
OUTDOOR CABLE

Central Loose Tube Air Blown Micro Cable

FOSPC-XXX-X-ABMCUT-FTXXX-EX/ 1-12 Fibers

Applications

Protections

UV Resistant

CENTRAL LOOSE TUBE AIR BLOWN MICRO CABLE
12F G657.A1 FIBER FT

Description

Waveoptics® Central Loose Tube Air Blown Micro Cable all-dielectric design has a small outer diameter that makes it ideal for microduct applications, lowering deployment cost and allowing the usage of the air blown fiber method for installation.

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

Optical Fibers are placed in photosensitive resin material for UV curing to create a core.

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.

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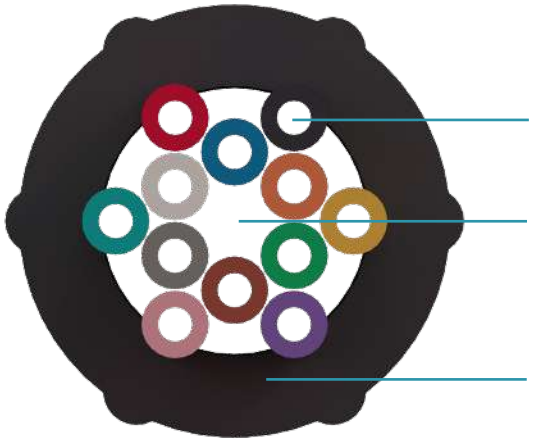
Dimensions & Properties



Design	
Fiber per Tube	1 - 12
Fiber Color Code / Loose Tube Color Code	1 2 3 4 5 6 7 8 9 10 11 12
Outer Jacket Material	Polyethylene
Drum Length	10,000 ft (±5%)
Temperature Range	
Operation	-10°C to 70°C (-14° F to 158° F)
Installation	-5°C to 50°C (-23° F to 122° F)
Storage / Transport	-10°C to 70°C (-14° F to 158° F)
Mechanical Properties	
Crush Resistance (Short-Term / Long-Term)	100 N/100 mm
Minimum Bend Radius (Operation / Installation)	40 mm / 80 mm

Note 1: 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.
Note 2: An optimal microduct may provide a longer blowing distance and it can also provide less margin of error from unexpected tube deformations.
Note 3: This cable should only be blown, not pulled.

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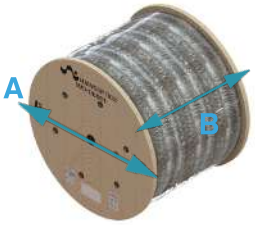
Dimensions & Properties

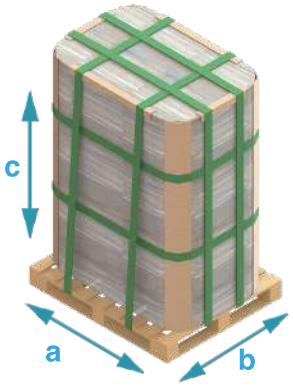
Fiber Count	Cable Weight (kg/km) (lb/kft) (±10%)	Tensile Strength (N) (lbf) Short-Term	Nominal Outer Dimensions (mm)(in) (±5%)	Recommended Microduct Size (ID)(mm)	Air Blowing Length (m)
1 - 4	1.4 (0.94)	14 (3.14)	1.2 (0.05)	≥3.5	≥500
6	1.9 (1.27)	1 (4.27)	1.4 (0.06)	≥3.5	≥500
8	2.5 (1.68)	25 (5.62)	1.6 (0.06)	≥3.5	≥500
12	2.9 (1.95)	28 (6.29)	1.7 (0.07)	≥3.5	≥500

Printed Information on Outer Jacket

= /XXXX/FT= = /MONTH/ /YEAR/ /WAVEOPTICS/ OPTICAL CABLE= =  = = /LOT# /= = ABMCUT= =/FIBER COUNT/= = /FIBER TYPE/=

- Printed in white and resistant to physical tests on marking
- Marking interval: every 2 feet + 1%





Drum Length (ft)(m) (±5%)	Fiber Count	A (mm)(in) (± 5%)	B (mm)(in) (± 5%)	Drum and Pallet Total Weight (kg)(lb) (± 10%)	Total Packaging (± 5%)		
					a (mm)(in)	b (mm)(in)	c (mm)(in)
10,000 (3,048)	1 - 4	400 (16)	320 (13)	891 (1,964)	1,016 (40)	1,219 (48)	1,740 (69)
	6	400 (16)	320 (13)	951 (2,097)	1,016 (40)	1,219 (48)	1,740 (69)
	8	400 (16)	320 (13)	1,011 (2,229)	1,016 (40)	1,219 (48)	1,740 (69)
	12	400 (16)	320 (13)	1,041 (2,295)	1,016 (40)	1,219 (48)	1,740 (69)

Note 1: Please contact your sales agent for higher fiber counts or different drum lengths available.
Note 2: All documentation included in each drum of cable is in english, if a different language is needed, please contact your sales agent.

All drums include:*

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

Transmission Performance by Fiber Type

Fiber Type	Single Mode	
Waveoptics® Fiber Type	G657.A1	G657.A2
Waveoptics® Fiber Code	T	E
Wavelength (nm)	1310/1550	
Max.attn. (dB/km) (1)	0.36/0.25	0.35/0.25
Cable Marking Specifications	G657.A1	G657.A2

Notes:
(1) Maximum attenuation after cabling process
*For more information about the optical fibers, consult the corresponding data sheets.

Part Number Configuration

FOSPC-0XX-X-ABMCUT-FTXXX-EX

Fiber Count

01 - 1 Fiber
02 - 2 Fibers
04 - 4 Fibers
06 - 6 Fibers
08 - 8 Fibers
12 - 12 Fibers

Waveoptics® Fiber Type

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

Drum Length

C52 - 10,000 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.