



# MDU DROP CABLE TPU

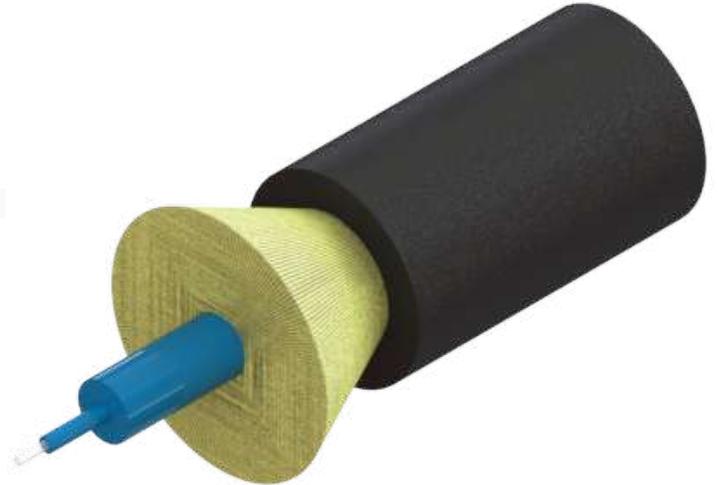
## FOSPC-00X-X-MDUXTX-00B14-US / 1-2 Fibers

### Description

Waveoptics MDU Drop Cable is ideal for FTTH applications. The optical fiber is positioned in the center of the cable under a 900um tight buffer.

Water blocking aramid yarn as a strength member to provide excellent tensile strength as well as protection against water penetration.

FRTPU outer jacket has flame retardant properties and is manufactured without halogen materials with the highest mechanical performance. Resistant to abrasion, hydrolysis and UV radiation, it also does not present any type of change in its structure due to induction caused by electric fields.



MDU DROP CABLE TPU 3.0MM 01F G657B3  
D00B14 S US

### 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.  
Telcordia GR-409: Generic requirements for indoor fiber optic 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.

### Applications:



Indoor



Outdoor



Aerial



Bend  
Insensitive



FTTx Cable



Duct Installation

### Protections:



Flame  
Retardant



FRTPU  
Cable



Hydrolysis  
Resistant



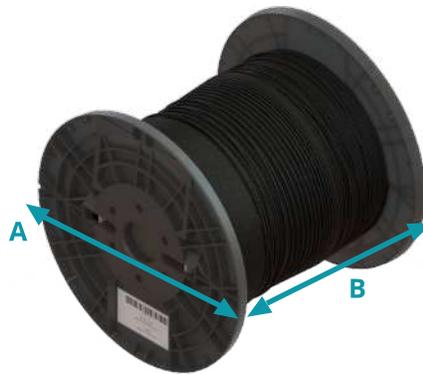
Low Smoke  
Emission

### Printed Information on Outer Jacket

=/MONTH/YEAR/WAVEOPTICS= =MDU TPU= =/OUTER DIAMETER/MM= =/FIBER TYPE/= =/FIBER COUNT/= =/METERS/\*M= =/LOT NUMBER/=

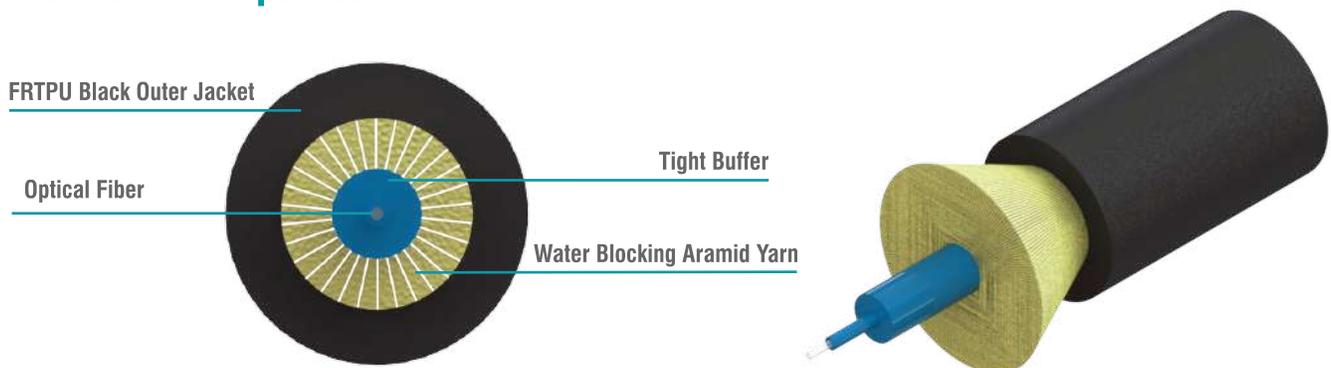
- Printed in white and resistant to physical tests on marking.
- Marking interval: every:  $1 \pm 0,2\%$  m.
- The marking can be changed according to customer requirements.
- Footage in descending order: from 2000 m to 0001 m

### Reel Dimensions and Pallet Packaging Information



Fiber count	Nominal outer diameter (mm) (in) ( $\pm 5\%$ )	Reel length (m) (ft) ( $\pm 5\%$ )	A (mm) (in) ( $\pm 5\%$ )	B (mm) (in) ( $\pm 5\%$ )
1	3 (0.12)	2,000 (6,562)	365 (14)	160 (6)
1	4.7 (0.18)	1,000 (3,280)	365 (14)	160 (6)

## Dimensions and Properties



FOPSC-001-N-MDU30TR-00B14-US

MDU DROP CABLE TPU 3.0MM 01F G657B3 D00B14 S US

Design	
Fiber count	1 / 2
Fiber color code / tight buffer	<span style="background-color: blue; color: white; padding: 2px;">1</span> / <span style="background-color: red; color: white; padding: 2px;">1</span> <span style="background-color: orange; color: white; padding: 2px;">2</span>
Dielectric strength member	Water blocking aramid yarn
Tight buffer Diameter	0.9 mm (+0.1mm)
Outer jacket material / color	FRTPU / Black
Reel length	1 km, 2 km (+ 5%)
Temperature range	
Operation	-20°C a 60°C (-4°F to 140°F)
Installation	-20°C a 60°C (-4°F to 140°F)
Storage / Transport	-20°C a 60°C (-4°F to 140°F)

Mechanical properties	
Maximum crush resistance	500 N/100 mm / 100N/100mm
Tensile strenght (short-term / long-term)	1,000 N / 500 N
Minimum bend radius (operation / installation)	10 x OD/ 20 x OD

Fiber Count	Cable weight (kg/km) (±10%)	Tensile strenght (N)	Nominal outer diameter (mm)(±0.10)
1	7.3	1,000	3.0

**Transmission Performance by Fiber Type**

Fiber type	Single Mode		
Waveoptics fiber type	G657.A1	G657.A2	G657.B3
Waveoptics fiber code	T	E	N
OFS® fiber type	AllWave® FLEX	AllWave® FLEX+	EZ-Bend®
OFS® fiber code	2	3	6
Wavelength (nm)	1310/1550		
Max. attn. (dB/km) (1)	0.4/0.3	0.4/0.3	0.4/0.3
Cable marking specifications	G657.A1	G657.A2	G657.B3
Notes: (1) Maximum attenuation after cabling process. *For more information about the optical fibers, consult the corresponding data sheets.			

**Part Number Configuration**
**FOSPC-00X-X-MDUXXTX-00B14-US**

Fiber count	Waveoptics optical fiber type	OFS® optical fiber type	Outer jacket material	Tight buffer material
1 - 1 fiber	F - SM G652.D	1 - SM G652.D	T - TPU	R - PVC Riser P - PVC Plenum L - LSZH
2 - 2 fibers	T - SM G657.A1 E - SM G657.A2 N - SM G657.B3	2 - AllWave® FLEX 3 - AllWave® FLEX+ 6 - EZ-Bend®		
<b>Outer diameter</b>		<b>Jacket color</b>		<b>Optical cable compliance</b>
30 - 2.95 mm 48 - 4.7 mm		B14 - Black		US - Waveoptics standard AC - Buy American Act compliance

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