

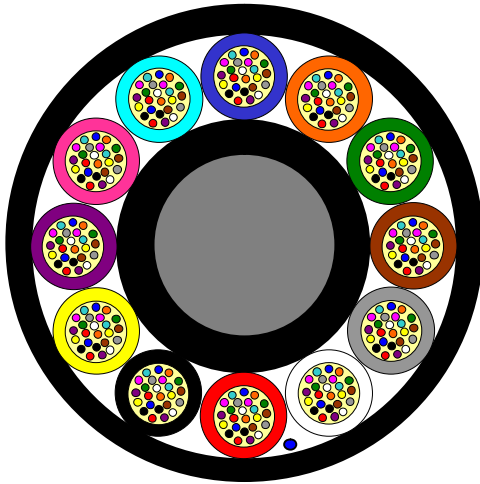
# Loose Tube Fibre Optic Outdoor Cable

12 Element All Dielectric Design

## MiDia<sup>®200</sup> Micro FX Dry Core Cable



Issue March 2017  
according to **OFS Generic Specification**



### Application

Air-Blown Installation into Micro-Ducts

### Design

- Optical Fibres (200µm AllWave<sup>®</sup> FLEX)
- Gel-filled Buffer Tubes
- Non-metallic Central Member
- PE-Jacket
- Ripcord

### Features

- Small tubes for a reduced outer diameter
- Dry Core Design – Cable core water blocked by means of dry “water swellable” technology - for quicker, cleaner cable prep for jointing
- Individual coloured tubes

Version illustrated is the 288 Fibre Cable

Fibre Count	Tubes	Core Design	Outer Diameter [mm]	Cable Weight [kg/km]	Standard Length [m]	AT-Code**
<b>24 Fibres per Tube</b>						
240	10	1+12 (2 Filler*)	9.6	90	2000 / 4000 / 6000 / 8000	AT-XEE46CF-240
288	12	1+12	9.6	90	2000 / 4000 / 6000 / 8000	AT-XEE46CF-288

X= 8 (200 micron AllWave<sup>®</sup> Flex Zero-Water Peak Singlemode Fiber)

X = 9 (200 micron AllWave<sup>®</sup> FLEX+ Zero-Water Peak Singlemode Fiber)

This table shows nominal diameter and weight values which may differ in shipments.

\*Fillers are natural coloured \*\*Please refer to the OFS AT- Code.

## Identification

### Tube Colour Code:

1	Blue	2	Orange	3	Green	4	Brown	5	Grey	6	White
7	Red	8	Black	9	Yellow	10	Violet	11	Rose	12	Aqua

### Fibre Colour Code:

1	Blue	2	Orange	3	Green	4	Brown	5	Grey	6	White
7	Red	8	Black	9	Yellow	10	Violet	11	Rose	12	Aqua
13	Blue*	14	Orange*	15	Green*	16	Brown*	17	Grey*	18	White*
19	Red*	20	Nature	21	Yellow*	22	Violet*	23	Rose*	24	Aqua*

\* Black ring

Alternative tube and fibre colour code available on request

## Sheath Marking

**OFS OPTICAL CABLE MIDIA200 MICRO FX [ID] [MM/YYYY] [Handset Sign] xxxF [Meter Marking]**

Alternative sheath printing available on request.

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## Mechanical Properties and Environmental Behaviour

Tests according to IEC 60794

	Parameter	Requirement	Value
<b>Tensile Performance:</b> IEC 60794-1-21-E1A and E1B	Long term load	- No attenuation increase* - No fibre strain	Load: 600 N
	Short term load, during installation	- No changes in attenuation before versus after load - Max. fibre strain 0.5%	Load: 1700 N
<b>Crush Performance:</b> IEC 60794-1-21-E3A	Long term load	- No attenuation increase*	Load (Plate / Plate): 500 N
	Short term load	- No changes in attenuation before versus after load - No damage**	Load (Plate / Plate): 1000 N
<b>Bending Performance:</b> IEC 60794-1-21-E11	Handling fixed installed	- No attenuation increase*	Bend radius: 150 mm
	During installation (under load)	- No changes in attenuation before versus after load	Bend radius: 250 mm
<b>Temperatures:</b> IEC 60794-1-22-F1	Operation	- No attenuation increase*	-30 to +70°C
	Installation		-15 to +40°C
	Storage/Shipping		-40 to +70°C

\*No changes in attenuation means that any changes in measurement value, either positive or negative within the uncertainty of measurement shall be ignored. The total uncertainty of measurement shall be less than or equal to 0.05 dB.

\*\*Mechanical damage – when examined visually without magnification, there shall be no evidence of damage to the sheath. The imprint of plates will not be considered as damage.

## Shipping Information

Cable Length	Drum Dimensions (approx.)		Shipping Weight (calc.)	
	Diameter	Width	Without lagging	With lagging
2000 m	1050 mm	790 mm	240 kg	260 kg
4000 m	1250 mm	790 mm	440 kg	480 kg
6000 m	1450 mm	790 mm	650 kg	690 kg
8000 m	1600 mm	1055 mm	850 kg	910 kg

The shipping information are given for one-way reels. Reusable reels are available on request.

The information is believed to be accurate at time of issue.  
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You can also visit our  
website at <http://www.ofsoptics.com>.  
Telephone: +49 (0) 228 7489 201  
Email: [cableinfo@ofsoptics.com](mailto:cableinfo@ofsoptics.com)

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