

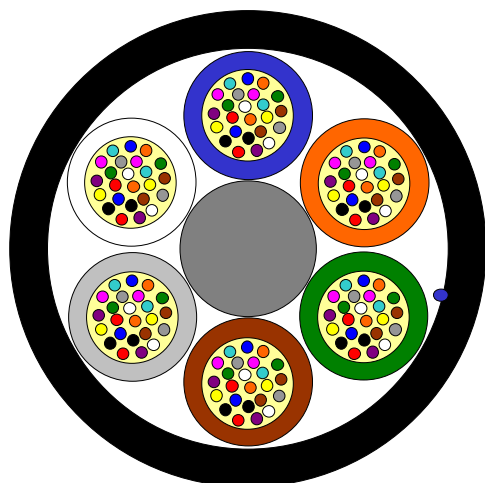
# Loose Tube Fibre Optic Outdoor Cable

6 Element All Dielectric Design

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



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



### Application

Air-Blown Installation into Micro-Ducts

### Design

- Optical Fibres
- Non-metallic Central Member
- Gel-filled Buffer Tubes
- Ripcord
- PE-Jacket

### Features

- Bend insensitive 200µm AllWave<sup>®</sup> FLEX or AllWave<sup>®</sup> FLEX+ Fibres
- 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
- 24 Fibres per Buffer Tube
- Individual coloured tubes

Version illustrated is the 144 Fibre Cable

Fibre Count	Tubes*	Core Design	Outer Diameter [mm]	Cable Weight [kg/km]	AT-Code**
<b>24 Singlemode Fibres per Tube</b>					
144	6	1+6	5.7	35	AT-[ ][ ]453F-144-PE

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
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#### 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 GX [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	Short term load, during installation	- No changes in attenuation before versus after load - Max. fibre strain 0.5%	Load: 600 N
<b>Crush Performance:</b>  IEC 60794-1-21-E3	Short term load	- No changes in attenuation before versus after load - No damage**	Load (Plate / Plate): 500 N
<b>Bending Performance of Cable:</b>  IEC 60794-1-21-E11A	Handling fixed installed	- No attenuation increase*	Bend radius: 90 mm
	During installation (under load)	- No changes in attenuation before versus after load	Bend radius: 150 mm
<b>Bending Performance of Buffer Tube:</b>  IEC 60794-1-23-G1	Handling fixed installed	- No attenuation increase*	Bend radius: 30 mm
	During installation (under load)	- No changes in attenuation before versus after load	Bend radius: 60 mm
<b>Temperatures:</b> IEC 60794-1-22-F1 IEC 60794-5-10	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.

\*\*\* No changes in attenuation either positive or negative higher than 0.15 dB/km in the 1550 nm range according to the Microcable Standard IEC 60794-5-10:2014

## Shipping Information

Cable Length	Drum Dimensions (approx.)		Shipping Weight (calc.)	
	Diameter(battened)	Width	Without lagging	With lagging
2000 m	1050 mm	790 mm	125 kg	150 kg
4000 m	1050 mm	790 mm	195 kg	220 kg
6000 m	1050 mm	790 mm	265 kg	290 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. OFS reserves the right to improve, enhance and modify the features and specifications of OFS products without prior notification. Please ensure you have the latest version of the data sheet.

This data sheet is property of OFS.

For additional information please contact your sales representative.

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