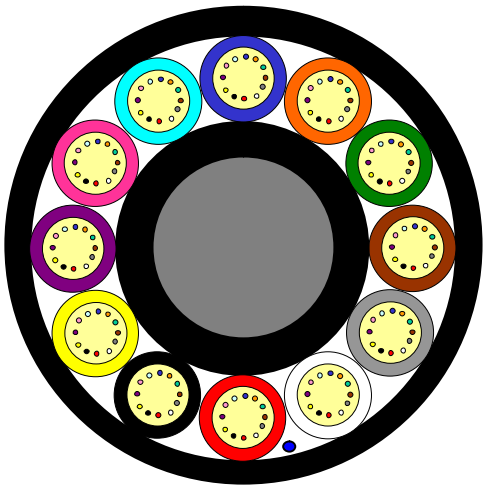
Loose Tube Fibre Optic Outdoor Cable

12 Element All Dielectric Design

MiDia® Micro FX Dry Core Cable

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



Application
Air-Blown Installation into Micro-Ducts

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

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 144 Fibre Cable

Fibre Count	Tubes	Core Design	Outer Diameter [mm]	Cable Weight [kg/km]	Standard Length [m]	AT-Code**
144	12	1+12	9.6	85	2000 / 4000 / 6000 / 8000	AT-[ ][ ][ ]46CT-144

This table shows nominal diameter and weight values which may differ in shipments.
*Fillers are natural coloured **Please refer to the OFS AT- Code. The blanks specify the fibre type (for SM fibers up to 12 fibers per Tube and for MM fibers up to 6 fibers per Tube). .

Identification

Tube and 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

Alternative tube and fibre colour code available on request

Sheath Marking

OFS OPTICAL CABLE MIDIA 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
Tensile Performance: 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
Crush Performance:	Long term load	- No attenuation increase*	Load (Plate / Plate): 500 N
IEC 60794-1-21-E3A	Short term load	- No changes in attenuation before versus after load - No damage**	Load (Plate / Plate): 1500 N
Bending Performance:	Handling fixed installed	- No attenuation increase*	Bend radius: 160 mm
IEC 60794-1-21-E11	During installation (under load)	- No changes in attenuation before versus after load	Bend radius: 250 mm
Temperatures: IEC 60794-1-22-F1	Operation Installation Storage/Shipping	- No attenuation increase*	-30 to +70°C -15 to +40°C -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 of 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**	**230 kg**	**250 kg**
4000 m	**1250 mm**	**790 mm**	**420 kg**	**460 kg**
6000 m	**1450 mm**	**790 mm**	**620 kg**	**660 kg**
8000 m	**1600 mm**	**1055 mm**	**810 kg**	**870 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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