

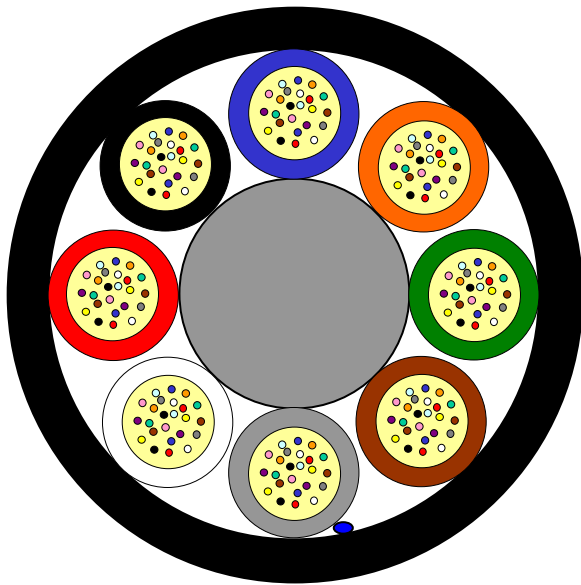
Loose Tube Fibre Optic Outdoor Cable

8 Element All Dielectric Dry Core Design

MiDia® Micro EX



Issue July 2020
according to **OFS Generic Specification**



Application

Air-Blown Installation into Micro-Ducts

Design

- Optical Fibers
- 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 colored tubes

Version illustrated is the 192 Fiber Cable

Fiber Count	Tubes	Core Design	Outer Diameter [mm]	Cable Weight [kg/km]	Standard Length [m]	AT-Code**
24 Fibers per Tube						
192	8	1+8	7.9	60	2000 / 4000 / 6000 / 8000	AT-[][]46XF-192

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

*Please refer to the OFS AT- Code. The blanks specify the fiber type.

Identification

Tube Color Code:

1	Blue	2	Orange	3	Green	4	Brown
5	Grey	6	White	7	Red	8	Black

Fibre Color 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	Natural	21	Yellow*	22	Violet*	23	Rose*	24	Aqua*

* Black ring

Alternative tube and fiber color code available on request.

Sheath Marking

OFS OPTICAL CABLE MIDIA MICRO EX [ID] [MM/YYYY] [Handset Sign] 192F [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: 400 N
	Short term load, during installation	- No changes in attenuation before versus after load - Max. fibre strain 0.5%	Load: 2.0 x W <i>W is the weight of the cable</i>
Crush Performance: IEC 60794-1-21-E3A	Long term load	- No attenuation increase*	Load (Plate / Plate): 200 N
	Short term load	- No changes in attenuation before versus after load - No damage**	Load (Plate / Plate): 700 N
Bending Performance: IEC 60794-1-21-E11	Handling fixed installed	- No attenuation increase*	Bend radius: 120 mm
	During installation (under load)	- No changes in attenuation before versus after load	Bend radius: 240 mm
Temperatures: IEC 60794-1-22-F1	Operation	- No attenuation increase***	-40 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	Width	Without lagging	With lagging
2000 m	1050 mm	790 mm	180 kg	200 kg
4000 m	1050 mm	790 mm	300 kg	320 kg
6000 m	1250 mm	790 mm	440 kg	480 kg
8000 m	1450 mm	790 mm	590 kg	630 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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For additional information please contact your sales representative.

You can also visit our website at <http://www.ofsoptics.com>.

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