

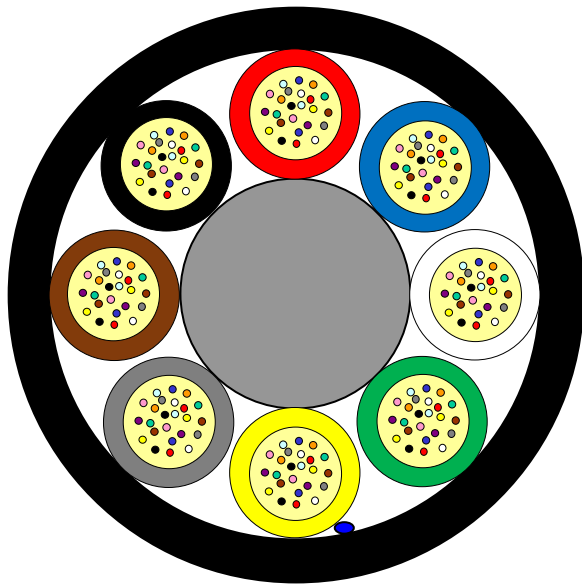
# Loose Tube Fibre Optic Outdoor Cable

8 Element All Dielectric Dry Core Design

**MiDia® Micro EX / K1-3358**



Issue March 2019  
according to **Customised 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 192 Fiber Cable

Fibre Count	Tubes	Core Design	Outer Diameter [mm]	Cable Weight [kg/km]	Standard Length [m]	AT-Code*
<b>24 Fibres per Tube</b>						
192	8	1+6	7.9	60	2000 / 4000 / 6000 / 8000	AT-3CE46XF-192

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

\*Please refer to the OFS AT- Code.

## Identification

### Tube Color Code:

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

### Fibre Color Code:

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

\* Black ring

## Sheath Marking

OFS OPTICAL CABLE MIDIA MICRO EX [ID] [MM/YYYY] [Handset Sign] 192F [Meter Marking]

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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: 400 N
	Short term load, during installation	- No changes in attenuation before versus after load - Max. fibre strain 0.5%	Load: 2500 N
<b>Crush Performance:</b> 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
<b>Bending Performance:</b> 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
<b>Temperatures:</b> 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 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	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.

OFS reserves the right to improve, enhance and modify the features and specifications of OFS products without prior notification.

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For additional information please contact your sales representative.

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