

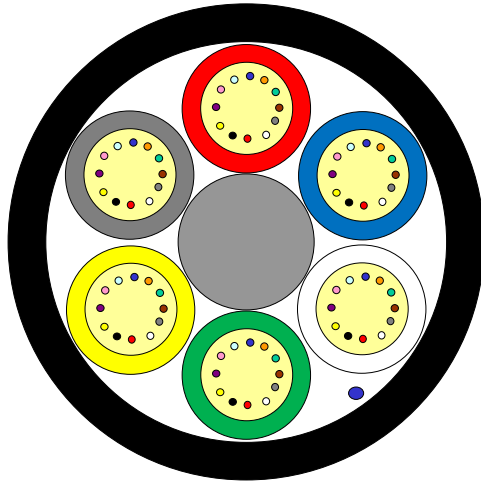
# Loose Tube Fibre Optic Outdoor Cable

6 Element All Dielectric Dry Core Design

**MiDia® Micro GX**



Issue January 2019  
according to **Customised 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

- 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 72 Fibre Cable**

Article Number	Fibre Count	Tubes	Core Design	Outer Diameter [mm]	Cable Weight [kg/km]	AT-Code**
<b>12 Singlemode Fibres per Tube</b>						
K1-3546	12	1	1+6 (5 Fillers*)	5.2	25	AT-3CE453T-012
K1-3545	24	2	1+6 (4 Fillers*)	5.2	25	AT-3CE453T-024
K1-3544	48	4	1+6 (2 Fillers*)	5.2	25	AT-3CE453T-048
K1-3543	72	6	1+6	5.2	25	AT-3CE453T-072

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

\* Fillers are natural coloured and evenly distributed over the positions.

\*\* Please refer to the OFS AT- Code.

## Identification

### Tube and Fibre Colour 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

## Sheath Marking

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

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## Mechanical Properties and Environmental Behaviour

Tests according to IEC 60794

<b>Tensile Performance:</b>	<b>Parameter</b>	<b>Requirement</b>	<b>Value</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>	Short term load	- No changes in attenuation before versus after load - No damage**	Load (Plate / Plate): 500 N
IEC 60794-1-21-E3A			
<b>Bending Performance:</b>	Handling fixed installed	- No attenuation increase*	Bend radius: 90 mm
IEC 60794-1-21-E11	During installation (under Load)	- No changes in attenuation before versus after load	Bend radius: 150 mm
<b>Temperatures:</b>	Operation	- No attenuation increase*	-40 to +70°C
IEC 60794-1-22-F1	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

<b>Cable Length</b>	<b>Drum Dimensions (approx.)</b>		<b>Shipping Weight (calc.)</b>	
	<b>Diameter(battened)</b>	<b>Width</b>	<b>Without lagging</b>	<b>With lagging</b>
<b>2000 m</b>	<b>1050 mm</b>	<b>790 mm</b>	<b>110 kg</b>	<b>130 kg</b>
<b>4000 m</b>	<b>1050 mm</b>	<b>790 mm</b>	<b>160 kg</b>	<b>180 kg</b>
<b>6000 m</b>	<b>1050 mm</b>	<b>790 mm</b>	<b>210 kg</b>	<b>230 kg</b>
<b>8000 m</b>	<b>1050 mm</b>	<b>790 mm</b>	<b>260 kg</b>	<b>280 kg</b>

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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