

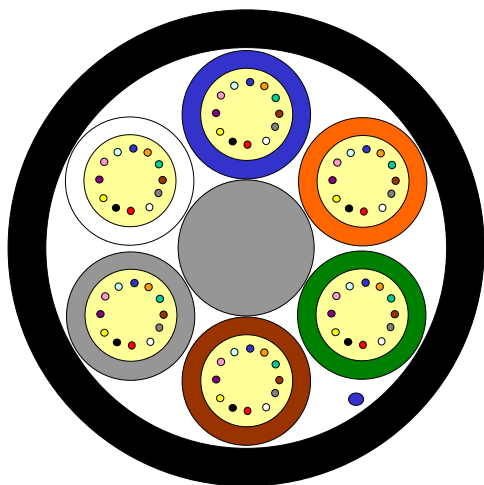
Loose Tube Fibre Optic Outdoor Cable

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**
12 Singlemode Fibres per Tube						
K1-3542	12	1	1+6 (5 Fillers*)	5.2	25	AT-3CE453T-012
K1-3491	24	2	1+6 (4 Fillers*)	5.2	25	AT-3CE453T-024
K1-3481	48	4	1+6 (2 Fillers*)	5.2	25	AT-3CE453T-048
K1-3482	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	Blue	2	Orange	3	Green	4	Brown	5	Grey	6	White
7	Red	8	Black	9	Yellow	10	Violet	11	Rose	12	Aqua

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

Tensile Performance:	Parameter	Requirement	Value
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
Crush Performance:	Short term load	- No changes in attenuation before versus after load - No damage**	Load (Plate / Plate): 500 N
IEC 60794-1-21-E3A			
Bending Performance:	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
Temperatures:	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

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

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

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