

Loose Tube Fibre Optic Outdoor Cable

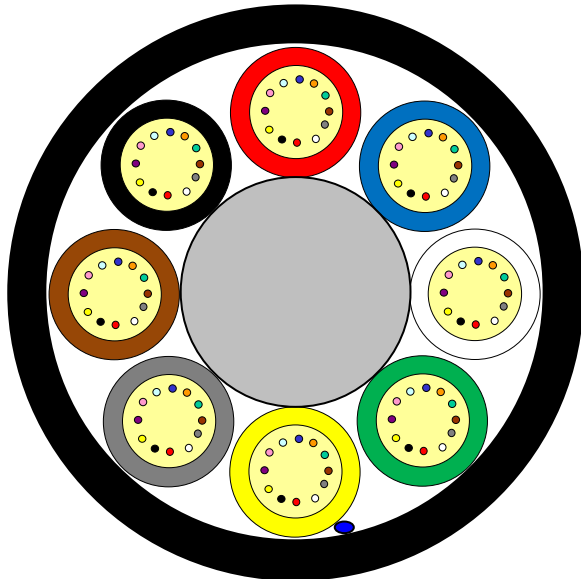
8 Element All Dielectric Dry Core Design

MiDia® Micro GX / K1-3459



Issue October 2018

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-Sheath

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

Version illustrated is the 96 Fibre Cable

Fibre Count	Tubes	Core Design	Outer Diameter [mm]	Cable Weight [kg/km]	AT-Code*
12 Singlemode Fibres per Tube					
96	8	1+8	6.0	30	AT-3CE453T-096

This table shows nominal diameter and weight values which may differ in shipments
*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	Aqua	12	Rose

Alternative tube and fibre colour code available on request

Sheath Marking:

OFS OPTICAL CABLE MIDIA MICRO GX [ID] [MM/YYYY] [Handset Sign] 096F [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*	Load: 200 N
	Short term load, during installation	- No changes in attenuation before versus after load - Max. fibre strain 0.5%	Load: 800 N
Crush Performance: IEC 60794-1-21-E3A	Short term load	- No changes in attenuation before versus after load - No damage**	Load (Plate / Plate): 500 N
Bending Performance of Cable: IEC 60794-1-21-E11	Handling fixed installed	- No attenuation increase*	Bend radius: 130 mm
	During installation (under load)	- No changes in attenuation before versus after load	Bend radius: 195 mm
Bending Performance of Buffer Tube: IEC 60794-1-23-G1	Handling fixed installed	- No attenuation increase*	Bend radius: 20 x d
	During installation (under load)	- No changes in attenuation before versus after load	Bend radius: 40 x d <i>d is the buffer tube diameter</i>
Temperatures: IEC 60794-1-22-F1	Operation (ITU G.657)	- No attenuation increase*	-40 to +70°C
	Operation (ITU G.652)		-30 to +70°C
	Installation Storage/Shipping		-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(battened)	Width	Without lagging	With lagging
2000 m	1050 mm	790 mm	120 kg	140 kg
4000 m	1050 mm	790 mm	180 kg	200 kg
6000 m	1050 mm	790 mm	240 kg	260 kg
8000 m	1250 mm	790 mm	300 kg	320 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.

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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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