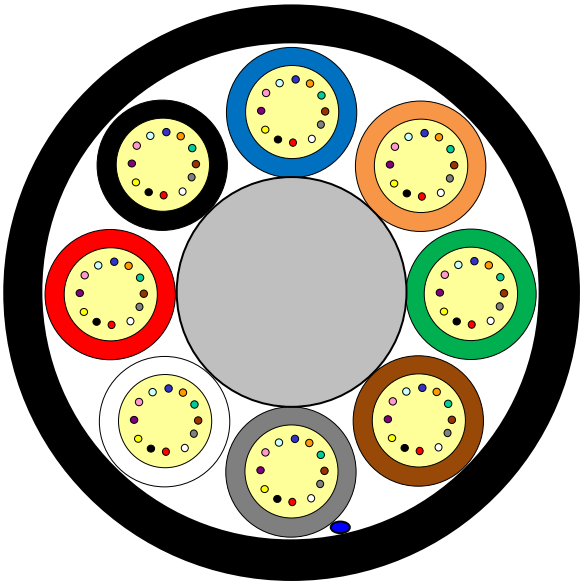
Loose Tube Fibre Optic Outdoor Cable

8 Element All Dielectric Dry Core Design

MiDia® Micro GX / K1-3426

Issue March 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-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	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] 096F [Meter Marking]

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Mechanical Properties and Environmental Behaviour

Tests according to **IEC 60794**

	Parameter	Requirement	Value
Tensile Performance:	Long term load	- No attenuation increase*	Load: 200 N
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: 800 N
Crush Performance:	Short term load	- No changes in attenuation before versus after load	Load (Plate / Plate): 500 N
IEC 60794-1-21-E3A		- No damage**	
Bending Performance of Cable:	Handling fixed installed	- No attenuation increase*	Bend radius: 130 mm
IEC 60794-1-21-E11	During installation (under load)	- No changes in attenuation before versus after load	Bend radius: 195 mm
Bending Performance of Buffer Tube:	Handling fixed installed	- No attenuation increase*	Bend radius: 20 x d
IEC 60794-1-23-G1	During installation (under load)	- No changes in attenuation before versus after load	Bend radius: 40 x d *d is the buffer tube diameter*
Temperatures:	Operation (ITU G.657) Operation (ITU G.652)	- No attenuation increase*	-40 to +70°C -30 to +70°C
IEC 60794-1-22-F1	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.
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