

Loose Tube Fibre Optic Outdoor Cable

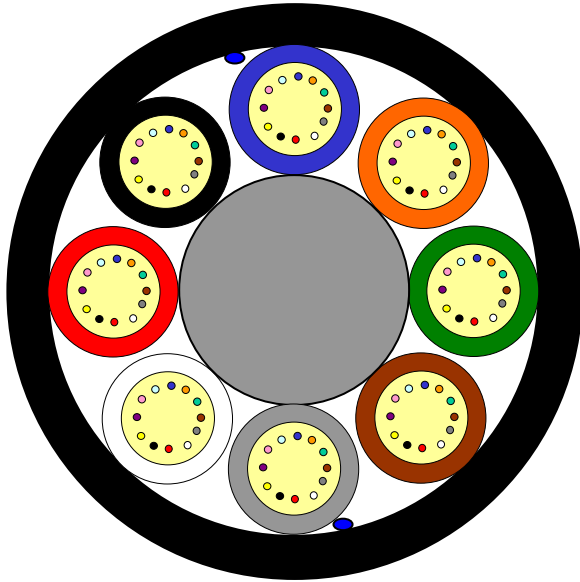
8 Element All Dielectric Dry Core Design



MiDia® Micro FX

Issue February 2024

according to OFS FURUKAWA SOLUTIONS Generic Specification



Application

Air-Blown Installation into Micro-Ducts
 Recommended duct size for optimized blowing performance: 10, 12 and 14 mm Inner Diameter
 Pushforce [N]: 350 in 10 mm ID-Duct
 Other combinations are possible, please contact us for more information. Distance achievable depends on route, equipment and quality of duct

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 96 Fibre Cable

Fibre Count	Tubes	Core Design	Outer Diameter [mm]	Cable Weight [kg/km]	Standard Length [m]	AT-Code**
96	8	1+8	7.6	55	2000 / 4000 / 6000 / 8000	AT-[][][]46CT-096

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 FURUKAWA SOLUTIONS AT- Code. The blanks specify the fibre type.

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 FX [ID] [MM/YYYY] [Handset Sign] xxxF [Meter Marking]

Alternative sheath printing available on request. In case of order the exact sheath printing text will be clarified with the customer.

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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* - No fibre strain	Load: 200 N
	Short term load, during installation	- No changes in attenuation before versus after load - Max. fibre strain 0.5%	Load: 1100 N
Crush Performance: IEC 60794-1-21-E3A	Long term load	- No attenuation increase*	Load (Plate / Plate): 300 N
	Short term load	- No changes in attenuation before versus after load - No damage**	Load (Plate / Plate): 1000 N
Bending Performance: IEC 60794-1-21-E11	Handling fixed installed	- No attenuation increase*	Bend radius: 140 mm
	During installation (under load)	- No changes in attenuation before versus after load	Bend radius: 280 mm
Temperature Performance: 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 or equal to 0.05 dB for Single-mode Fibres and 0.2 dB for Multimode Fibres.

**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	Drum + Cable
2000 m	1000 mm	780 mm	160 kg
4000 m	1000 mm	780 mm	270 kg
6000 m	1200 mm	780 mm	395 kg
8000 m	1400 mm	780 mm	530 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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For additional information please contact your sales representative.
You can also visit our website at <http://www.ofsoptics.com>.
Email: cableinfo@ofsoptics.com

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