

Loose Tube Fibre Optic Outdoor Cable

6 Element All Dielectric Dry Core Design

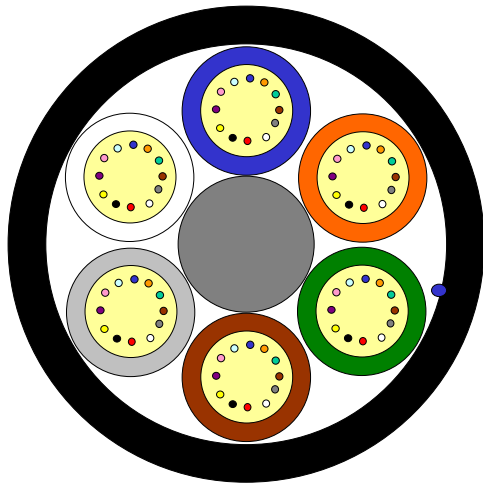
MiDia® Micro FX



FURUKAWA
SOLUTIONS

Issue February 2024

according to OFS FURUKAWA SOLUTIONS Generic Specification



Application

Air Blown Installation into Micro Ducts
 Recommended duct size for optimized blowing performance: 8, 10 and 12 mm Inner Diameter
 Pushforce [N]: 350 in 8 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 72 Fibre Cable

Fibre Count	Tubes	Core Design	Outer Diameter [mm]	Cable Weight [kg/km]	Standard Length [m]	AT-Code**
12	1	1+6 (5 Filler*)	6.3	35	2000 / 4000 / 6000 / 8000	AT-[][][]46CT-012
24	2	1+6 (4 Filler*)	6.3	35	2000 / 4000 / 6000 / 8000	AT-[][][]46CT-024
36	3	1+6 (3 Filler*)	6.3	35	2000 / 4000 / 6000 / 8000	AT-[][][]46CT-036
48	4	1+6 (2 Filler*)	6.3	35	2000 / 4000 / 6000 / 8000	AT-[][][]46CT-048
60	5	1+6 (1 Filler*)	6.3	35	2000 / 4000 / 6000 / 8000	AT-[][][]46CT-060
72	6	1+6	6.3	35	2000 / 4000 / 6000 / 8000	AT-[][][]46CT-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 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

Alternative tube and fibre colour code available on request

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	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	Long term load Short term load	- No attenuation increase* - No changes in attenuation before versus after load - No damage**	Load (Plate / Plate): 300 N Load (Plate / Plate): 1000 N
Bending Performance: IEC 60794-1-21-E11	Handling fixed installed During installation (under Load)	- No attenuation increase* - No changes in attenuation before versus after load	Bend radius: 90 mm Bend radius: 180 mm
Temperature Performance : IEC 60794-1-22-F1	Operation Installation Storage/Shipping	Single-mode Fibres: - No attenuation increase*	-40 to +70°C -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 or equal to 0.05 dB for Single-mode 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	Cable + Drum
2000 m	1000 mm	780 mm	120 kg
4000 m	1000 mm	780 mm	190 kg
6000 m	1000 mm	780 mm	260 kg
8000 m	1200 mm	780 mm	360 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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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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