

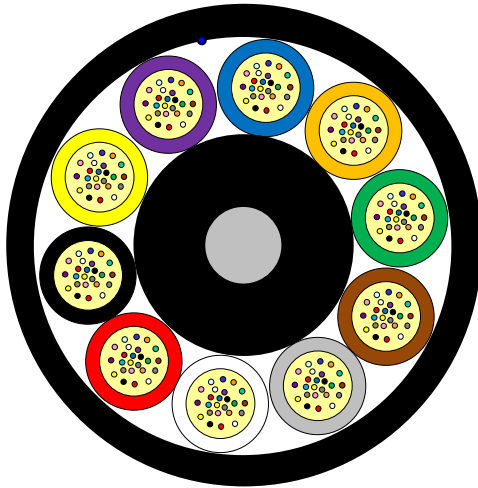
Loose Tube Fibre Optic Outdoor Cable

10 Element All Dielectric Design

MiDia[®] 2FX PA Dry Core Cable



Issue February 2014
according to **OFS Generic Specification**



Application

Air-Blown Installation into Micro-Ducts

Design

- Optical Fibres (200µm AllWave[®] FLEX)
- Gel-filled Buffer Tubes
- Non-metallic Central Member
- Ripcord
- PA-Jacket

Features

- Polyamid-Sheath for high robustness
- 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 240 Fibre Cable

Fibre Count	Tubes	Core Design	Outer Diameter [mm]	Cable Weight [kg/km]	Standard Length [m]	AT-Code
24 Fibres per Tube						
240	10	1+10	8.3	70	2000 / 4000 / 6000 / 8000	AT-XEE46CF-240-PA

X= 8 (200 micron AllWave[®] Flex Zero-Water Peak Singlemode Fiber)

X = 9 (200 micron AllWave[®] FLEX+ Zero-Water Peak Singlemode Fiber)

This table shows nominal diameter and weight values which may differ in shipments.

Identification

Tube Colour Code:

1	Blue	2	Orange	3	Green	4	Brown	5	Grey
6	White	7	Red	8	Black	9	Yellow	10	Violet

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
13	Blue*	14	Orange*	15	Green*	16	Brown*	17	Grey*	18	White*
19	Red*	20	Nature	21	Yellow*	22	Violet*	23	Rose*	24	Aqua*

* Black ring

Alternative tube and fibre colour code available on request

Sheath Marking

OFS OPTICAL CABLE MIDIA 2FX [ID] [MM/YYYY] [Handset Sign] xxxF [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 60794-1-2-E1A and E1B	Long term load	- No attenuation increase* - No fibre strain	Load: 500 N
	Short term load, during installation	- No changes in attenuation before versus after load - Max. fibre strain 0.3%	Load: 1500 N
Crush Performance: IEC 60794-1-2-E3	Long term load	- No attenuation increase*	Load (Plate / Plate): 250 N
	Short term load	- No changes in attenuation before versus after load - No damage**	Load (Plate / Plate): 1000 N
Bending Performance: IEC 60794-1-2-E11	Handling fixed installed	- No attenuation increase*	Bend radius: 15 x D
	During installation (under load)	- No changes in attenuation before versus after load	Bend radius: 25 x D <i>D is cable diameter</i>
Temperatures: IEC 60794-1-2-F1	Operation	- No attenuation increase*	-30 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.

**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	Without lagging	With lagging
2000 m	1050 mm	790 mm	200 kg	220 kg
4000 m	1050 mm	790 mm	340 kg	360 kg
6000 m	1250 mm	790 mm	500 kg	540 kg
8000 m	1450 mm	790 mm	670 kg	710 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.

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For additional information please contact your sales representative.

You can also visit our

website at <http://www.ofsoptics.com>.

Telephone: +49 (0) 228 7489 201

Email: cableinfo@ofsoptics.com

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