

Fibre Optic Cables with Central Loose Tube

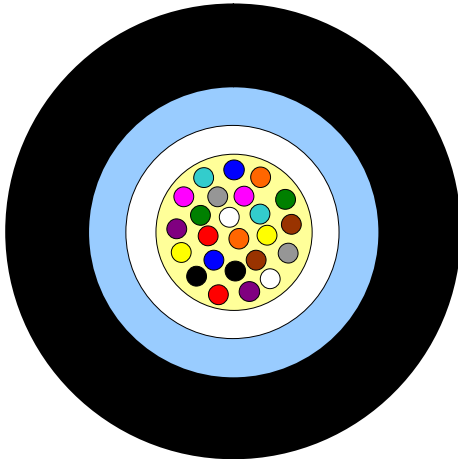
All Dielectric Design

MiDia® Monotube PLUS



A Furukawa Company

Issue January 2019
according to **OFS Generic Specification**



Application

Air-Blown Installation into Micro-Ducts (5,5/7mm)

Design

- Optical Fibres
- Water blocked Buffer Tube
- Tensile Strength Elements
- Low Friction PA Sheath

Features

- All Dielectric Cable
- Easy Fibre Access
- Light Weight - Optimised for Air-Blown Installation

Version illustrated is the 24 Fibre Cable

Fibre Count	AllWave® Flex Fibres G.657.A1 and AllWave® One Fibres G.657.A1 AT-Code**	OFS Multimode and Singlemode Fibres AT-Code**
2	AT-5EE7FX2-002	AT-[][]7FX2-002
3	AT-5EE7FX3-003	AT-[][]7FX3-003
4	AT- 5EE7FX4-004	AT-[][]7FX4-004
6	AT- 5EE7FX6-006	AT-[][]7FX6-006
8	AT- 5EE7FX8-008	AT-[][]7FX8-008
10	AT- 5EE7FXN-010	AT-[][]7FXN-010
12	AT- 5EE7FXT-012	AT-[][]7FXT-012
24	AT- 5EE7FXF-024	-

**Please refer to the OFS AT- Code. The blanks specify the fibre type.

Cable Diameter (calc.): 4.1 mm
Cable Weight (calc.): 15 kg/km

Sheath Marking (Inkjet)

OFS OPTICAL CABLE MIDIA MONOTUBE PLUS [ID] [MM/YYYY] XXXF [Meter Marking]

Alternative Sheath printing available on request

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Identification

Fibre Colour Code:

1	Blue	5	Grey	9	Yellow	13	Blue*	17	Grey*	21	Yellow*
2	Orange	6	White	10	Violet	14	Orange*	18	White*	22	Violet*
3	Green	7	Red	11	Rose	15	Green*	19	Red*	23	Rose*
4	Brown	8	Black	12	Aqua	16	Brown*	20	Natural	24	Aqua*

Fibre Marking Spacing:
* Black ring 50 mm

Alternative fibre colour code available on request

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: 200 N
Crush Performance: IEC 60794-1-21-E3A	Short term load	- No changes in attenuation before versus after load* - No damage**	Load: 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: 30 mm Bend radius: 40 mm
Temperatures: IEC 60794-1-22-F1	Operation Installation Storage/Shipping	Single-mode Fibres: - No attenuation increase*	-20 to +60°C - 5 to +40°C -20 to +60°C
	Operation Installation Storage/Shipping	Multi-mode Fibres: - No attenuation increase*	-20 to +60°C - 5 to +50°C -20 to +60°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

Maximum Cable Length: 5000 m

At least ninety five (95) per cent of cables will be delivered in lengths as specified in the confirmed order within +5% and –0% tolerance. Not more than 5% of cables may be of lengths less than those specified in the confirmed order and with a maximum deviation of –10%. To account for minor attenuation variation along a master length of input fibre, OFS warrants that ninety (90) per cent of all fibres within a cable delivery will have attenuations equal to or less the specified limits. The remaining fibres will be allowed to have a maximum attenuation limit of 0,01dB/km above the upper specification limit.

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.

This data sheet is property of OFS.

For additional information please contact your sales representative.

You can also visit our

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