

Optical FTTx Drop Cable

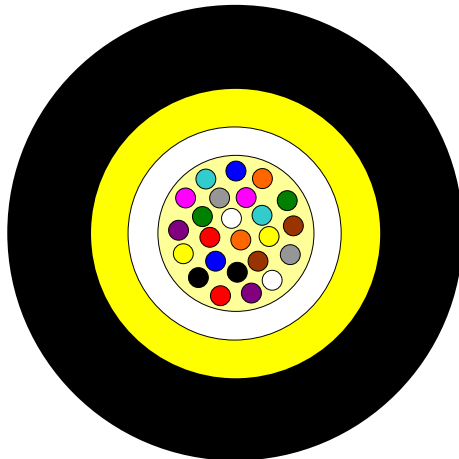
All Dielectric Design

MiDia® Monotube PLUS



A Furukawa Company

Issue March 2020
according to **OFS Generic Specification**



Application

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

Design

- Optical Fibres (2 – 24)
AllWave®, AllWave® +, AllWave® FLEX, AllWave® FLEX + or AllWave® One
- Water blocked Buffer Tube
- Tensile Strength Elements
- PE or 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	AT-Code**
2	AT-[][][]yFX2-002
4	AT-[][][]yFX4-004
6	AT-[][][]yFX6-006
12	AT-[][][]yFXT-012
24	AT-[][][]yFXF-024

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

y: 7 = PE Sheath

y: 8 = PA Sheath

Cable Diameter (calc.): 3.9 mm
Cable Weight (calc.): 15 kg/km

Sheath Marking

OFS OPTICAL CABLE MIDIA MONOTUBE PLUS [PE or PA] [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.

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.

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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: 2 – 20 Fibre: 50 N 24 Fibre: 100 N
	Short term load, during installation	- No changes in attenuation before versus after load* - Max. fibre strain 0.6%	Load: 2 – 10 Fibre: 220 N 12 - 20 Fibre: 330 N 24 Fibre: 500 N
Crush Performance: IEC 60794-1-21-E3A	Short term load	- No changes in attenuation before versus after load* - No damage**	Load: 2 – 20 Fibre: 500 N 24 Fibre: 1200 N
Bending Performance: IEC 60794-1-21-E11	Handling fixed installed	- No attenuation increase*	Bend radius: 20 mm
	During installation (under load)	- No changes in attenuation before versus after load*	Bend radius: 40 mm
Temperatures: IEC 60794-1-22-F1	Operation	Single-mode Fibres:	-20 to +60°C
	Installation	- No attenuation increase*	- 5 to +40°C
	Storage/Shipping		-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 Wooden Reels

Cable Length	Drum Dimensions (approx.)		Shipping Weight (calc.)
	Diameter	Width	Without lagging
2000 m	600 mm	560 mm	40 kg
3000 m	800 mm	450 mm	65 kg
4000 m	800 mm	450 mm	80 kg
5000 m	800 mm	450 mm	95 kg

Shipping Information Plastic Reels

Cable Length	Drum Dimensions (approx.)		Shipping Weight (calc.)
	Diameter	Width	Without lagging
2000 m	600 mm	500 mm	40 kg
3000 m	800 mm	540 mm	60 kg
4000 m	800 mm	540 mm	75 kg
5000 m	800 mm	540 mm	90 kg

The shipping information are given for one-way reels without lagging. Reusable reels are available on request

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

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