

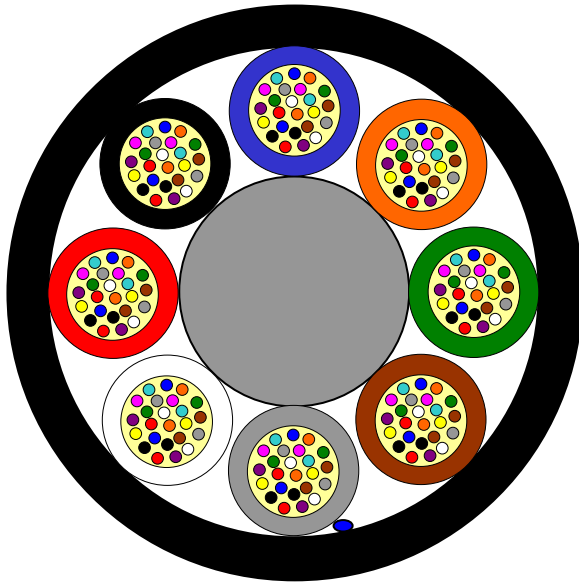
Loose Tube Fibre Optic Outdoor Cable

8 Element All Dielectric Dry Core Design

MiDia^{®200} Micro GX



Issue September 2018
according to **OFS Generic Specification**



Application

Air-Blown Installation into Micro Ducts

Design

Optical Fibres
Non-metallic Central Member
Gel-filled Buffer Tubes
Ripcord
PE-Sheath

Features

Bend insensitive 200µm AllWave[®] FLEX or AllWave[®] FLEX+ Fibres
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
24 Fibres per Buffer Tube
Individual coloured tubes

Version illustrated is the 192 Fibre Cable

Fibre Count	Tubes*	Core Design	Outer Diameter [mm]	Cable Weight [kg/km]	AT-Code**
24 Singlemode Fibres per Tube					
192	8	1+8	6.0	35	AT-[][]453F-192

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

*Fillers are natural coloured **Please refer to the OFS AT-Code.

Identification

Tube Colour Code:

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

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 MIDIA200 MICRO GX [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 60794-1-21-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: 800 N
Crush Performance: IEC 60794-1-21-E3A	Short term load	- No changes in attenuation before versus after load - No damage**	Load (Plate / Plate): 500 N
Bending Performance of Cable: IEC 60794-1-21-E11	Handling fixed installed	- No attenuation increase*	Bend radius: 130 mm
	During installation (under load)	- No changes in attenuation before versus after load	Bend radius: 195 mm
Temperatures: IEC 60794-1-22-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(battened)	Width	Without lagging	With lagging
2000 m	1050 mm	790 mm	130 kg	150 kg
4000 m	1050 mm	790 mm	200 kg	220 kg
6000 m	1050 mm	790 mm	270 kg	290 kg
8000 m	1050 mm	790 mm	340 kg	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.

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.

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For additional information please contact your sales representative.

You can also visit our

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