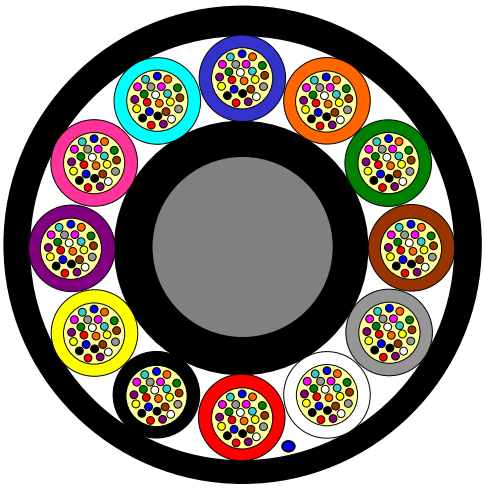
Loose Tube Fibre Optic Outdoor Cable

12 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
- Gel Filled Buffer Tubes
- Dielectric Central Member
- Ripcord
- PE Sheath

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 288 Fibre Cable

Fibre Count	Tubes	Core Design	Outer Diameter [mm]	Cable Weight [kg/km]	AT-Code*
24 Singlemode Fibres per Tube					
288	12	1+12	8.0	60	AT-XEE453F-288

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. *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	**9**	Yellow	**10**	Violet	**11**	Rose	**12**	Aqua

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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**	Natural	**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:	Long term load	- No attenuation increase* - No fibre strain	Load: 200 N
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: 1300 N
Crush Performance:	Short term load	- No changes in attenuation before versus after load	Load (Plate / Plate): 500 N
IEC 60794-1-21-E3A		- No damage**	
Bending Performance:	Handling fixed installed	- No attenuation increase*	Bend radius: 80 mm
IEC 60794-1-21-E11	During installation (under load)	- No changes in attenuation before versus after load	Bend radius: 160 mm
Temperatures:	Operation	- No attenuation increase***	-30 to +70°C
IEC 60794-1-22-F1	Installation		-15 to +40°C
IEC 60794-5-10	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 of 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.

*** No changes in attenuation either positive or negative higher than 0.15 dB/km in the 1550 nm range according to the Microcable Standard IEC 60794-5-10:2014

Shipping Information

Cable Length	Drum Dimensions (approx.)		Shipping Weight (calc.)	
	Diameter(battened)	Width	Without lagging	With lagging
2000 m	**1050 mm**	**790 mm**	**190 kg**	**210 kg**
4000 m	**1050 mm**	**790 mm**	**320 kg**	**340 kg**
6000 m	**1250 mm**	**790 mm**	**470 kg**	**510 kg**
8000 m	**1450 mm**	**790 mm**	**630 kg**	**670 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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