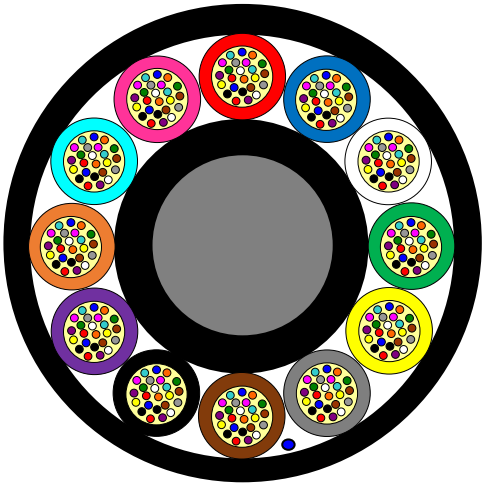
Loose Tube Fibre Optic Outdoor Cable

12 Element All Dielectric Dry Core Design

MiDia®200 Micro GX / K1-3570

Issue March 2019
according to **Customised 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-8EE453F-288

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	Red	**2**	Blue	**3**	White	**4**	Green	**5**	Yellow	**6**	Grey
7	Brown	**8**	Black	**9**	Violet	**10**	Orange	**11**	Turquoise	**12**	Rose

Fibre Colour Code:

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

** Black ring*

Sheath Marking

OFS OPTICAL CABLE MIDIA200 MICRO GX [ID] [MM/YYYY] [Handset Sign] 288F [Meter Marking]

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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: 1000 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: 2800 N
Crush Performance:	Short term load	- No changes in attenuation before versus after load	Load (Plate / Plate): 700 N
IEC 60794-1-21-E3A		- No damage**	
Bending Performance of Cable:	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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For additional information please contact your sales representative.
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