

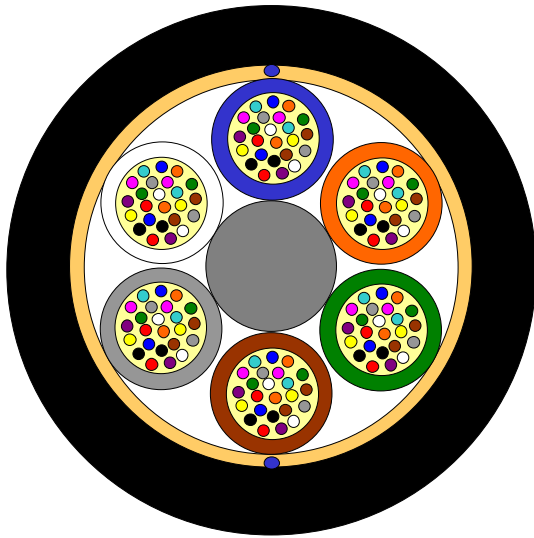
Loose Tube Fibre Optic Outdoor Cable

6 Element All Dielectric Dry Core Design

MiDia^{®200}



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



Application

Optimised for Air-Blown Installation

Design

- Optical Fibres (200µm AllWave[®] FLEX)
- Gel-filled Buffer Tubes
- Non-metallic Central Member
- Water Blocking Material
- Ripcords
- PE-Jacket

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 144 Fibre Cable

Fibre Count	Tubes	Core Design	Outer Diameter [mm]	Cable Weight [kg/km]	Standard Length [m]	AT-Code**
24 Fibres per Tube						
96	4	1+6 (2 Fillers*)	7.5	50	2000 / 4000 / 6000 / 8000	AT-XEE45CF-096
144	6	1+6	7.5	50	2000 / 4000 / 6000 / 8000	AT-XEE45CF-144

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.

*Fillers are natural coloured and evenly distributed over the positions.

**Please refer to the OFS AT- Code.

Identification

Tube Colour Code:

1	Blue	2	Orange	3	Green	4	Brown	5	Grey	6	White
---	------	---	--------	---	-------	---	-------	---	------	---	-------

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 [ID] [MM/YYYY] [Handset Sign] xxxF [Meter Marking]

Alternative sheath printing available on request.

Loose Tube Fibre Optic Outdoor Cable

6 Element All Dielectric Dry Core Design

MiDia^{®200}



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

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: 500 N
	Short term load, during installation	- No changes in attenuation before versus after load - Max. fibre strain 0.5%	Load: 1.5 x W <i>W is the weight of the cable in N</i>
Crush Performance: IEC 60794-1-21-E3A	Long term load	- No attenuation increase*	Load (Plate / Plate): 500 N
	Short term load	- No changes in attenuation before versus after load - No damage**	Load (Plate / Plate): 750 N
Bending Performance: IEC 60794-1-21-E11	Handling fixed installed	- No attenuation increase*	Bend radius: 120 mm
	During installation (under Load)	- No changes in attenuation before versus after load	Bend radius: 240 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 of equal to 0.05 dB for Single-mode Fibres and 0.2 dB for Multimode Fibres.

**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 means that any changes in measurement value, either positive or negative within the uncertainty of measurement shall be ignored. The maximal allowance for attenuation changes shall be less than of equal to +/- 0.2 dB/km for 90 % and +/- 0.3 dB/km for 100 % of the fibres.

Shipping Information

Cable Length	Small Drum Dimensions (approx.)		Shipping Weight (calc.)	
	Diameter(battened)	Width	Without lagging	With lagging
2000 m	1050 mm	790 mm	160 kg	180 kg
4000 m	1050 mm	790 mm	260 kg	280 kg
6000 m	1250 mm	790 mm	380 kg	420 kg
8000 m	1450 mm	790 mm	510 kg	550 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.

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>.

Telephone: +49 (0) 228 7489 201

Email: cableinfo@ofsoptics.com

MiDia is a registered trademark of Fitel USA Corp.

