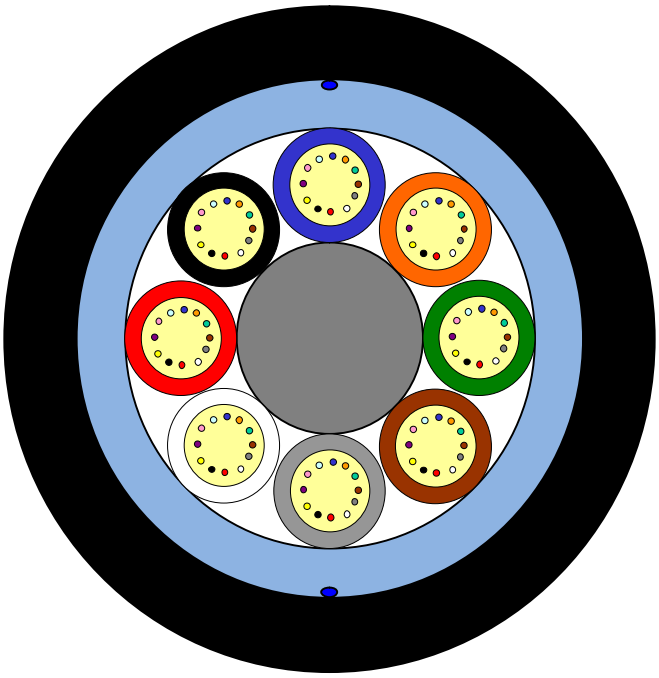
Loose Tube Fibre Optic Outdoor Cable

8 Elements All Dielectric Dry Core Design

MiDia® Dielectric Rodent Protected Cable

Issue March 2015
according to **OFS Generic Specification**



Application
Optimised for Air-Blown Installation

Design
- Optical Fibres
- Gel-filled Buffer Tubes
- Non-metallic Central Member
- Water Blocking Material
- Double layer of glass yarns
- Ripcord
- PE-Jacket

Features
- All Dielectric Rodent Protected Cable – Double layer of Glass elements for Protection against Rodents
- 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 96 Fibre Cable

Fibre Count	Tubes	Core Design	Outer Diameter [mm]	Cable Weight [kg/km]	Standard Length [m]	AT-Code**
12 Fibres per Tube						
96	8	1+8	9.2	80	2000 / 4000 / 6000 / 8000	AT-[ ][ ][ ]55CT-096-NM

This table shows nominal diameter and weight values which may differ in shipments.
*Fillers are natural coloured **Please refer to the OFS AT- Code. The blanks specify the fibre type.

Identification

Tube and 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

Alternative tube and fibre colour code available on request

Sheath Marking

OFS OPTICAL CABLE MIDIA DIELECTRIC RODENT PROTECTED [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: 800 N
	Short term load, during installation	- No changes in attenuation before versus after load - Max. fibre strain 0.33%	Load: 1.5 x W *W is the weight of the cable in N*
Crush Performance:	Long term load	- No attenuation increase*	Load (Plate / Plate): 500 N
IEC 60794-1-21-E3A	Short term load	- No changes in attenuation before versus after load - No damage**	Load (Plate / Plate): 2000 N
Bending Performance:	Handling fixed installed	- No attenuation increase*	Bend radius: 160 mm
IEC 60794-1-21-E11	During installation (under load)	- No changes in attenuation before versus after load	Bend radius: 320 mm
Temperatures: IEC 60794-1-22-F1	Operation Installation Storage/Shipping	- No attenuation increase*	-30 to +70°C -15 to +60°C -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.

Shipping Information

Cable Length	Drum Dimensions (approx.)		Shipping Weight (calc.)	
	Diameter(battened)	Width	Without lagging	With lagging
2000 m	**1050 mm**	**790 mm**	**220 kg**	**240 kg**
4000 m	**1250 mm**	**790 mm**	**400 kg**	**440 kg**
6000 m	**1450 mm**	**790 mm**	**590 kg**	**630 kg**
8000 m	**1600 mm**	**1055 mm**	**770 kg**	**830 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.
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For additional information please contact your sales representative. You can also visit our website at http://www.ofsoptics.com.

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