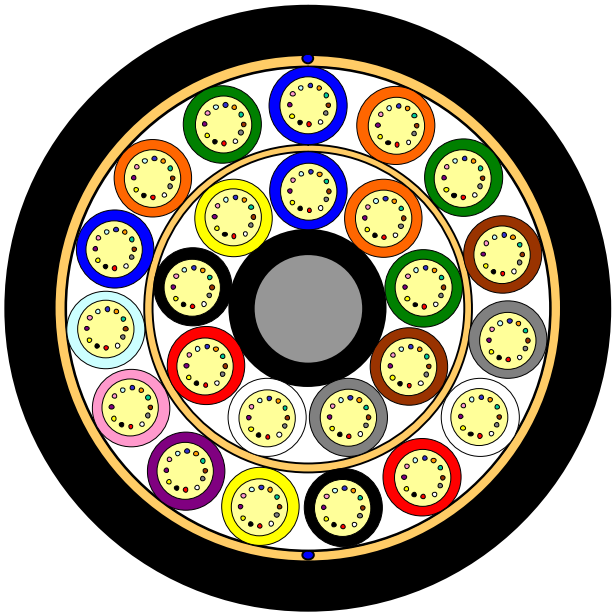
Loose Tube Fibre Optic Outdoor Cable

24 Element All Dielectric Dry Core Design

MiDia®

Issue April 2018
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
- Ripcord
- 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 288 Fibre Cable

Fibre Count	Tubes	Core Design	Outer Diameter [mm]	Cable Weight [kg/km]	Standard Length [m]	AT-Code**
192	16	1+24 (8 Fillers*)	13.0	140	2000 / 4000 / 6000 / 8000	AT-[ ][ ][ ]45CT-192
240	20	1+24 (4 Fillers*)	13.0	140	2000 / 4000 / 6000 / 8000	AT-[ ][ ][ ]45CT-240
288	24	1+24	13.0	140	2000 / 4000 / 6000 / 8000	AT-[ ][ ][ ]45CT-288

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

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 fibre colour code available on request

Tube Colour Code:

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

Alternative tube colour code available on request

Sheath Marking

OFS OPTICAL CABLE MIDIA [ID] [MM/YYYY] [Handset Sign] xxxF [Meter Marking]

Alternative sheath printing available on request.

© 2018 OFS

Loose Tube Fibre Optic Outdoor Cable

24 Element All Dielectric Dry Core Design

MiDia®

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: 1000 N
	Short term load, during installation	- No changes in attenuation before versus after load - Max. fibre strain 0.5%	Load: 1.5 x W *W is the weight of the cable in N*
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): 1500 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 Installation Storage/Shipping	- No attenuation increase*	-30 to +70°C -15 to +40°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	**1250 mm**	**790 mm**	**360 kg**	**400 kg**
4000 m	**1600 mm**	**1055 mm**	**690 kg**	**750 kg**
6000 m	**1600 mm**	**1055 mm**	**970 kg**	**1030 kg**
8000 m	**1750 mm**	**1055 mm**	**1270 kg**	**1330 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.