

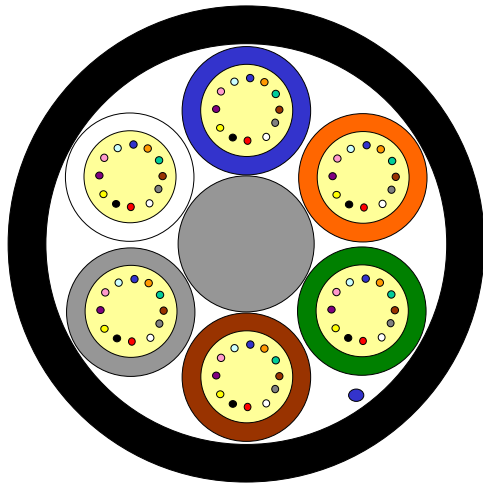
Loose Tube Fibre Optic Outdoor Cable

6 Element All Dielectric Design

MiDia[®] GX Dry Core Cable



Issue December 2014
according to **OFS Generic Specification**



Application

Air-Blown Installation into Micro-Ducts

Design

- Optical Fibres
- Non-metallic Central Member
- Gel-filled Buffer Tubes
- 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 72 Fibre Cable

Fibre Count	Tubes	Core Design	Outer Diameter [mm]	Cable Weight [kg/km]	AT-Code**
12 Singlemode Fibres per Tube					
12	1	1+6 (5 Fillers*)	5.7	30	AT-[][][]453T-012-PE
24	2	1+6 (4 Fillers*)	5.7	30	AT-[][][]453T-024-PE
48	4	1+6 (2 Fillers*)	5.7	30	AT-[][][]453T-048-PE
72	6	1+6	5.7	30	AT-[][][]453T-072-PE

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. 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 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

Tensile Performance:	Parameter	Requirement	Value
IEC 60794-1-2-E1A and E1B	Short term load, during installation	- No changes in attenuation before versus after load - Max. fibre strain 0.5%	Load: 600 N
Crush Performance:	Short term load	- No changes in attenuation before versus after load - No damage**	Load (Plate / Plate): 500 N
IEC 60794-1-2-E3			
Bending Performance:	Handling fixed installed	- No attenuation increase*	Bend radius: 90 mm
IEC 60794-1-2-E11	During installation (under Load)	- No changes in attenuation before versus after load	Bend radius: 150 mm
Temperatures:	Operation (ITU G.657)	- No attenuation increase*	-40 to +70°C
	Operation (ITU G.652)		-30 to +70°C
IEC 60794-1-2-F1	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 or 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	115 kg	140 kg
4000 m	1050 mm	790 mm	175 kg	200 kg
6000 m	1050 mm	790 mm	235 kg	260 kg
8000 m	1050 mm	790 mm	300 kg	320 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.

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For additional information please contact your sales representative.

You can also visit our

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