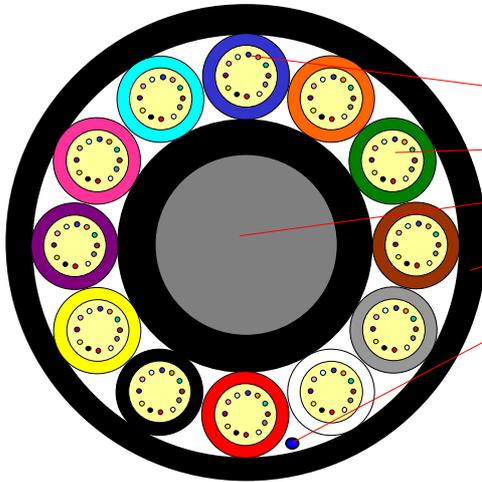


12-Element MiDia® FX Dry Core Cable

Issue March 2005

according **OFS Generic Specification**



Application

Air-Blown Installation into Micro-Ducts

Design

- Optical Fibres
- Gel-filled Buffer Tubes
- Non-metallic Central Member
- PE-Jacket
- Ripcord

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	Tube 1	Tube 2	Tube 3	Tube 4	Tube 5	Tube 6
108	Blue 12F	Orange 12F	Green 12F	Brown 12F	Grey 12F	White 12F
120	Blue 12F	Orange 12F	Green 12F	Brown 12F	Grey 12F	White 12F
132	Blue 12F	Orange 12F	Green 12F	Brown 12F	Grey 12F	White 12F
144	Blue 12F	Orange 12F	Green 12F	Brown 12F	Grey 12F	White 12F

Fibre Count	Tube 7	Tube 8	Tube 9	Tube 10	Tube 11	Tube 12
108	Red 12F	Black 12F	Yellow 12F	Filler*	Filler*	Filler*
120	Red 12F	Black 12F	Yellow 12F	Violet 12F	Filler*	Filler*
132	Red 12F	Black 12F	Yellow 12F	Violet 12F	Rose 12F	Filler*
144	Red 12F	Black 12F	Yellow 12F	Violet 12F	Rose 12F	Aqua 12F

Fibre Count	AT-Code**
108	AT-□□□46CT-108
120	AT-□□□46CT-120
132	AT-□□□46CT-132
144	AT-□□□46CT-144

* Fillers are natural coloured

**Please refer to the OFS AT- Code. The blanks specify the fibre type.

Alternative tube colour code available on request

Cable Diameter (calc.): 9.30 mm
Cable Weight (calc.): 85 kg/km

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Identification

Fibre Colour Code:

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

Sheath Marking:

OFS OPTICAL CABLE
[ID] [MM/YY] [Handset-Sign]
XXXF [Meter Marking]

Alternative sheath printing available on request

Mechanical Properties and Environmental Behaviour

Tests according to EN 187105 and IEC 60794

	Parameter	Requirement	Value
Tensile Performance: EN 187105-5.5.4 IEC 60794-1-2-E1A and E1B	Long term load	- No attenuation increase* - No fibre strain	Load: 600 N
	Short term load, during installation	- No changes in attenuation before versus after load - Max. fibre strain 0.33%	Load: 2 x W <i>W is the weight of the cable in N</i>
Crush Performance: EN 187105-5.5.3 IEC 60794-1-2-E3	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: EN 187105-5.5.1 IEC 60794-1-2-E11	Handling fixed installed	- No attenuation increase*	Bend radius: 160 mm
	During installation (under load)	- No changes in attenuation before versus after load	Bend radius: 250 mm
Temperatures: EN 187105-5.6.1 IEC 60794-1-2-F1	Operation	- No attenuation increase*	-30 to +70 °C
	Installation		-15 to +60 °C
	Storage/Shipping		-30 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	Width	Without lagging	With lagging
2000 m	1050 mm	790 mm	225 kg	250 kg
4000 m	1250 mm	790 mm	420 kg	450 kg
6000 m	1450 mm	790 mm	590 kg	630 kg
8000 m	1600 mm	1055 mm	810 kg	870 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 website at <http://www.ofsoptics.com>.

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