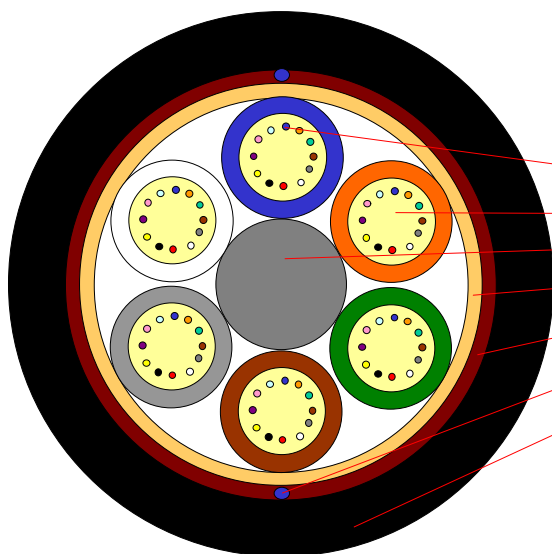


6-Element MiDia® Dry Core Cable

Issue November 2002

according **OFS Generic Specification**



Application

Optimised for Air-Blown Installation

Design

- Optical Fibres
- Gel-filled Buffer Tubes
- Non-metallic Central Member
- Water Swellable Tape
- Non-metallic Strength Elements
- 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	Tube 1	Tube 2	Tube 3	Tube 4	Tube 5	Tube 6	AT-Code**
60	Blue 12F	Orange 12F	Green 12F	Brown 12F	Grey 12F	Filler	AT-□□□15CT-060
72	Blue 12F	Orange 12F	Green 12F	Brown 12F	Grey 12F	White 12F	AT-□□□15CT-072

*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.): 8,40 mm
Cable Weight (calc.): 55 kg/km

6-Element MiDia® Dry Core Cable

Issue November 2002
according **OFS Generic Specification**

Identification

Fiber 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]
XXXX [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 E2A	Long term load	- No attenuation increase* - No fibre strain	Load: 400 N
	Short term load, during installation	- No changes in attenuation before versus after load - Max. fibre strain 0.33%	Load: 1.5x W <i>W is weight of the cable</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: 10 x D
	During installation (under Load)	- No changes in attenuation before versus after load	Bend radius: 20 x D <i>D is cable diameter</i>
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		-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	1500 mm	890 mm	263 kg	313 kg
4000 m	1500 mm	890 mm	373 kg	423 kg
6000 m	1500 mm	890 mm	483 kg	533 kg
8000 m	1800 mm	1090 mm	685 kg	757 kg

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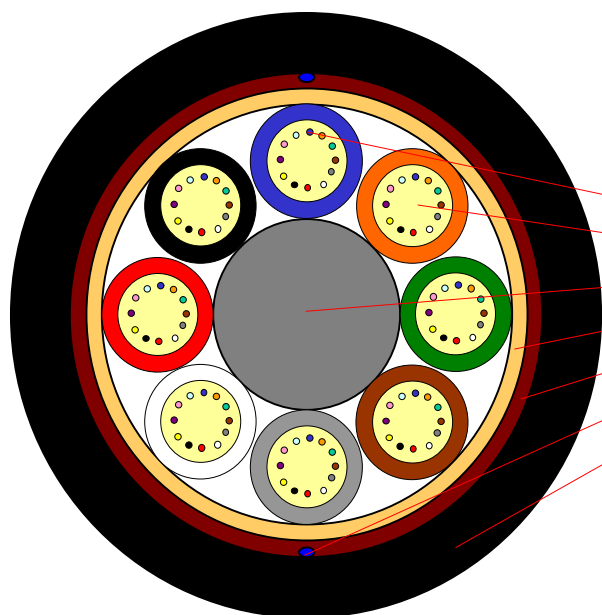
Telephone: +49 (0) 228 7489 201

Email: cableinfo@ofsoptics.com

8-Element MiDia® Dry Core Cable

Issue May2 2003

according **OFS Generic Specification**



Application

Optimised for Air-Blown Installation

Design

- Optical Fibres
- Gel-filled Buffer Tubes
- Non-metallic Central Member
- Water Blocking Material
- Non-metallic Strength Elements
- 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 96 Fibre Cable

Fibre Count	Tube 1	Tube 2	Tube 3	Tube 4	Tube 5	Tube 6	Tube 7	Tube 8	AT-Code**
56	Bl 8F	Org 8F	Gn 8F	Bn 8F	Gr 8F	Wht 8F	Rd 8F	Filler*	AT-□□□15C8-056
64	Bl 8F	Org 8F	Gn 8F	Bn 8F	Gr 8F	Wht 8F	Rd 8F	Blk 8F	AT-□□□15C8-064
84	Bl 12F	Org 12F	Gn 12F	Bn 12F	Gr 12F	Wht 12F	Rd 12F	Filler*	AT-□□□15CT-084
96	Bl 12F	Org 12F	Gn 12F	Bn 12F	Gr 12F	Wht 12F	Rd 12F	Blk 12F	AT-□□□15CT-096

*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.): 9,50 mm
Cable Weight (calc.): 75 kg/km

8-Element MiDia® Dry Core Cable

Issue May2 2003
according **OFS Generic Specification**

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]
XXXX [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 E2A	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 <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): 2000 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: 320 mm
Temperatures: EN 187105-5.6.1 IEC 60794-1-2-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 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	1500 mm	890 mm	303 kg	353 kg
4000 m	1500 mm	890 mm	453 kg	503 kg
6000 m	1800 mm	1090 mm	695 kg	767 kg
8000 m	1800 mm	1090 mm	845 kg	917 kg

The shipping information are given for one-way reels. Reusable reels are available on request.

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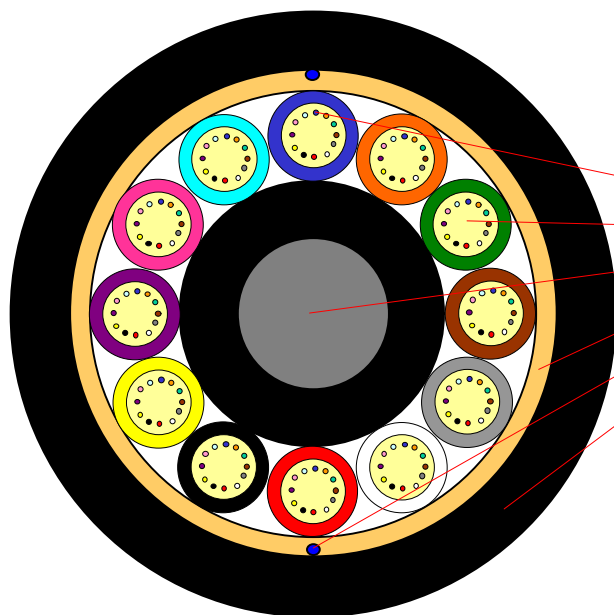
Telephone: +49 (0) 228 7489 201

Email: cableinfo@ofsoptics.com

12-Element MiDia® Dry Core Cable

Issue November 2002

according **OFS Generic Specification**



Application

Optimised for Air-Blown Installation

Design

- Optical Fibres
- Gel-filled Buffer Tubes
- Non-metallic Central Member
- Water Swellable Tape
- 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 144 Fibre Cable

Fibre Count	Tube 1	Tube 2	Tube 3	Tube 4	Tube 5	Tube 6
96	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
96	Red 12F	Black 12F	Filler*	Filler*	Filler*	Filler*
144	Red 12F	Black 12F	Yellow 12F	Violet 12F	Rose 12F	Aqua 12F

*Fillers are natural coloured

Alternative tube colour code available on request

Fibre Count	AT-Code**
96	AT-□□□15CT-096
144	AT-□□□15CT-144

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

Cable Diameter (calc.): 12,00 mm
Cable Weight (calc.): 110 kg/km

12-Element MiDia[®] Dry Core Cable

Issue November 2002
according OFS Generic Specification

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]
XXXX [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 E2A	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: 1.5x W W is weight of the cable
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): 2000 N
Bending Performance: EN 187105-5.5.1 IEC 60794-1-2-E11	Handling fixed installed	- No attenuation increase*	Bend radius: 10 x D
	During installation (under load)	- No changes in attenuation before versus after load	Bend radius: 20 x D D is cable diameter
Temperatures: EN 187105-5.6.1 IEC 60794-1-2-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 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	1500 mm	890 mm	353 kg	403 kg
4000 m	1800 mm	1090 mm	645 kg	717 kg
6000 m	1800 mm	1090 mm	845 kg	917 kg
8000 m	1800 mm	1090 mm	1045 kg	1117 kg

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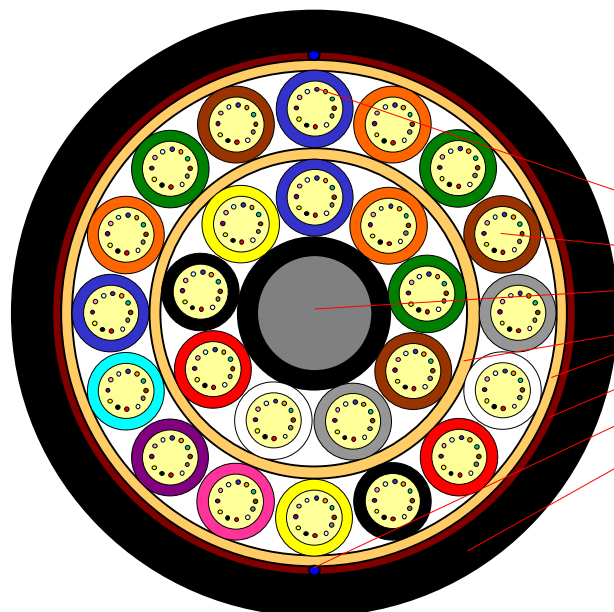
Telephone: +49 (0) 228 7489 201

Email: [cableinfo@ofsoptics.com](mailto: cableinfo@ofsoptics.com)

25-Element MiDia® Dry Core Cable

Issue March 2004

according **OFS Generic Specification**



Application

Optimised for Air-Blown Installation

Design

- Optical Fibres
- Gel-filled Buffer Tubes
- Non-metallic Central Member
- Water Blocking Material
- Non-metallic Strength Elements
- 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 300 Fibre Cable

Inner Layer (9 Tubes)

Fibre Count	Tube 1	Tube 2	Tube 3	Tube 4	Tube 5	Tube 6	Tube 7	Tube 8	Tube 9
240	Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow
264	Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow
288	Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow
300	Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow

Outer Layer (16 Tubes)

Fibre Count	Tube 10	Tube 11	Tube 12	Tube 13	Tube 14	Tube 15	Tube 16	Tube 17
240	Blue	Orange	Green	Brown	Grey	White	Red	Black
264	Blue	Orange	Green	Brown	Grey	White	Red	Black
288	Blue	Orange	Green	Brown	Grey	White	Red	Black
300	Blue	Orange	Green	Brown	Grey	White	Red	Black

Fibre Count	Tube 18	Tube 19	Tube 20	Tube 21	Tube 22	Tube 23	Tube 24	Tube 25
240	Yellow	Violet	Rose	Filler*	Filler*	Filler*	Filler*	Filler*
264	Yellow	Violet	Rose	Aqua	Blue	Filler*	Filler*	Filler*
288	Yellow	Violet	Rose	Aqua	Blue	Orange	Green	Filler*
300	Yellow	Violet	Rose	Aqua	Blue	Orange	Green	Brown

*Fillers are natural coloured

Fibre Count	AT-Code**
240	AT-□□□15CT-240
264	AT-□□□15CT-264

Fibre Count	AT-Code**
288	AT-□□□15CT-288
300	AT-□□□15CT-300

Cable Diameter (calc.):

14,40 mm

Cable Weight (calc.):

175 kg/km

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

25-Element MiDia[®] Dry Core Cable

Issue March 2004
according **OFS Generic Specification**

Identification

Fiber 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]
XXXX [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: 1000 N
	Short term load, during installation	- No changes in attenuation before versus after load - Max. fibre strain 0.33%	Load: 1.5 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): 2000 N
Bending Performance: EN 187105-5.5.1 IEC 60794-1-2-E11	Handling fixed installed	- No attenuation increase*	Bend radius: 200 mm
	During installation (under load)	- No changes in attenuation before versus after load	Bend radius: 20 x D <i>D is the cable diameter</i>
Temperatures: EN 187105-5.6.1 IEC 60794-1-2-F1	Operation	- No attenuation increase*	-30 to +60°C
	Installation		-15 to +40°C
	Storage/Shipping		-40 to +60°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	1500 mm	890 mm	523 kg	573 kg
4000 m	1800 mm	1090 mm	985 kg	1057 kg
6000 m	1950 mm	1140 mm	1395 kg	1481 kg
8000 m	2550 mm	1490 mm	1930 kg	2065 kg

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