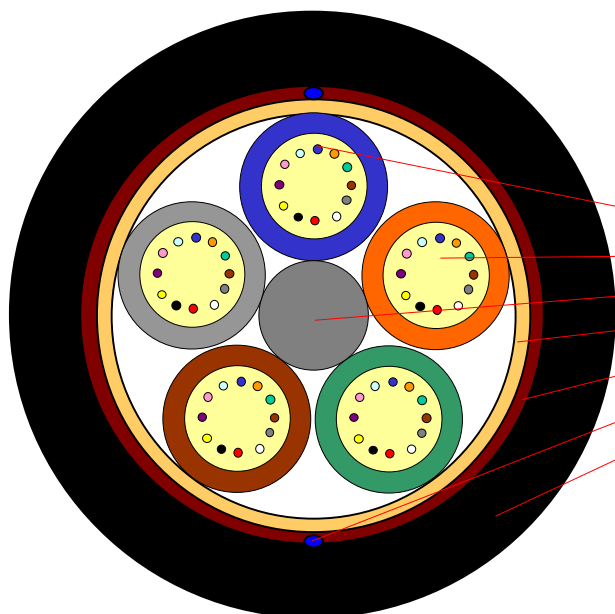


5-Element Dry Core Cable

Issue March 2004

according **OFS Generic Specification**



Application

Mainly used in Duct-Installation (HD-PE Tubes) and installed by Cable Blowing or Pulling

Design

- Optical Fibres
- Gel-filled Buffer Tubes (2.5 mm)
- Non-metallic Central Member
- Water Blocking Material
- Non-metallic Strength Elements
- Ripcord
- PE-Jacket

Features

- All Dielectric Cable
- 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 60 Fibre Cable

Fibre Count	Tube 1	Tube 2	Tube 3	Tube 4	Tube 5	AT-Code**
12	Blue 12F	Filler*	Filler*	Filler*	Filler*	AT-□□□12TT-012
24	Blue 8F	Orange 8F	Green 8F	Filler*	Filler*	AT-□□□12T8-024
	Blue 12F	Orange 12F	Filler*	Filler*	Filler*	AT-□□□12TT-024
32	Blue 8F	Orange 8F	Green 8F	Brown 8F	Filler*	AT-□□□12T8-032
36	Blue 12F	Orange 12F	Green 12F	Filler*	Filler*	AT-□□□12TT-036
40	Blue 8F	Orange 8F	Green 8F	Brown 8F	Grey 8F	AT-□□□12T8-040
48	Blue 12F	Orange 12F	Green 12F	Brown 12F	Filler*	AT-□□□12TT-048
60	Blue 12F	Orange 12F	Green 12F	Brown 12F	Grey 12F	AT-□□□12TT-060

*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.): 10,80 mm
Cable Weight (calc.): 90 kg/km

5-Element Dry Core Cable

Issue March 2004
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 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: 2700 N
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 <i>D is cable diameter</i>
Temperatures: EN 187105-5.6.1 IEC 60794-1-2-F1	Operation	- No attenuation increase*	-40 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	333 kg	383 kg
4000 m	1500 mm	890 mm	513 kg	563 kg
6000 m	1800 mm	1090 mm	785 kg	857 kg
8000 m	1800 mm	1090 mm	965 kg	1037 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>.

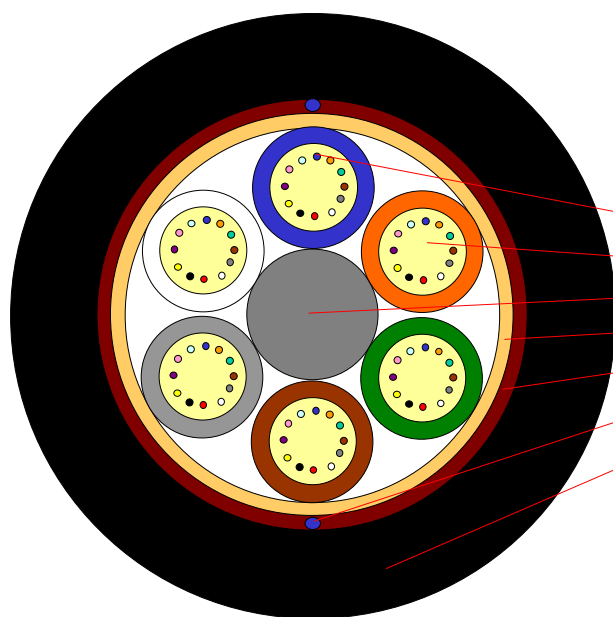
Telephone: +49 (0) 228 7489 201

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

6-Element Dry Core Cable

Issue March 2004

according **OFS Generic Specification**



Application

Mainly used in Duct-Installation (HD-PE Tubes) and installed by Cable Blowing or Pulling

Design

- Optical Fibres
- Gel-filled Buffer Tubes (2.5 mm)
- Non-metallic Central Member
- Water Blocking Material
- Non-metallic Strength Elements
- Ripcord
- PE-Jacket

Features

- All Dielectric Cable
- 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**
48	Blue 8F	Orange 8F	Green 8F	Brown 8F	Grey 8F	White 8F	AT-□□□12T8-048
72	Blue 12F	Orange 12F	Green 12F	Brown 12F	Grey 12F	White 12F	AT-□□□12TT-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.): 11,60 mm
Cable Weight (calc.): 105 kg/km

6-Element Dry Core Cable

Issue March 2004
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 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: 2700 N
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 <i>D is cable diameter</i>
Temperatures: EN 187105-5.6.1 IEC 60794-1-2-F1	Operation	- No attenuation increase*	-40 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	363 kg	413 kg
4000 m	1800 mm	1090 mm	665 kg	737 kg
6000 m	1800 mm	1090 mm	875 kg	947 kg
8000 m	1800 mm	1090 mm	1085 kg	1157 kg

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

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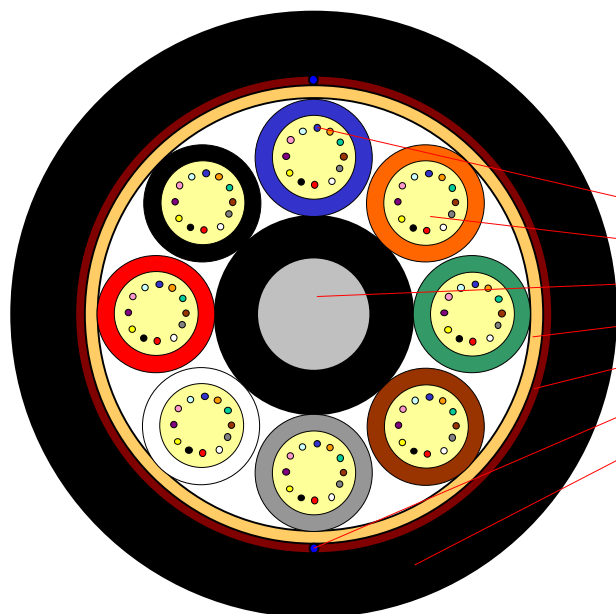
Telephone: +49 (0) 228 7489 201

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

8-Element Dry Core Cable

Issue March 2004

according **OFS Generic Specification**



Application

Mainly used in Duct-Installation (HD-PE Tubes) and installed by Cable Blowing or Pulling

Design

- Optical Fibres
- Gel-filled Buffer Tubes (2.5 mm)
- Non-metallic Central Member
- Water Blocking Material
- Non-metallic Strength Elements
- Ripcord
- PE-Jacket

Features

- All Dielectric Cable
- 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-□□□12T8-056
64	Bl 8F	Org 8F	Gn 8F	Bn 8F	Gr 8F	Wht 8F	Rd 8F	Blk 8F	AT-□□□12T8-064
84	Bl 12F	Org 12F	Gn 12F	Bn 12F	Gr 12F	Wht 12F	Rd 12F	Filler*	AT-□□□12TT-084
96	Bl 12F	Org 12F	Gn 12F	Bn 12F	Gr 12F	Wht 12F	Rd 12F	Blk 12F	AT-□□□12TT-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.): 13,20 mm
Cable Weight (calc.): 140 kg/km

8-Element Dry Core Cable

Issue March 2004
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 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: 2700 N
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 <i>D is the cable diameter</i>
Temperatures: EN 187105-5.6.1 IEC 60794-1-2-F1	Operation	- No attenuation increase*	-40 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	433 kg	483 kg
4000 m	1800 mm	1090 mm	805 kg	877 kg
6000 m	1800 mm	1090 mm	1085 kg	1157 kg
8000 m	1950 mm	1140 mm	1570 kg	1705 kg

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

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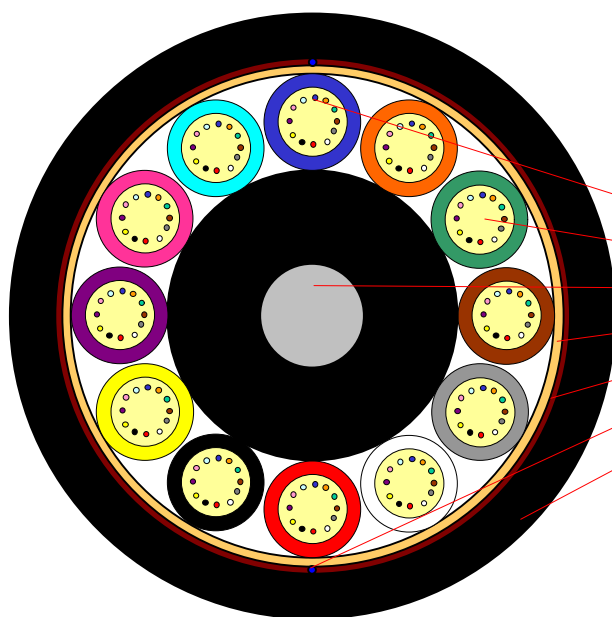
Telephone: +49 (0) 228 7489 201

Email: cableinfo@ofsoptics.com

12-Element Dry Core Cable

Issue March 2004

according **OFS Generic Specification**



Application

Mainly used in Duct-Installation (HD-PE Tubes) and installed by Cable Blowing or Pulling

Design

- Optical Fibres
- Gel-filled Buffer Tubes (2.5 mm)
- Non-metallic Central Member
- Water Blocking Material
- Non-metallic Strength Elements
- Ripcord
- PE-Jacket

Features

- All Dielectric Cable
- 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

*Fillers are natural coloured

Alternative tube colour code available on request

Fibre Count	AT-Code**
108	AT-□□□12TT-108
120	AT-□□□12TT-120
132	AT-□□□12TT-132
144	AT-□□□12TT-144

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

Cable Diameter (calc.): 16,40 mm
Cable Weight (calc.): 210 kg/km

12-Element Dry Core Cable

Issue March 2004
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 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: 2700 N
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 <i>D is the cable diameter</i>
Temperatures: EN 187105-5.6.1 IEC 60794-1-2-F1	Operation	- No attenuation increase*	-40 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	1800 mm	1090 mm	573 kg	623 kg
4000 m	1800 mm	1090 mm	993 kg	1043 kg
6000 m	2550 mm	1490 mm	1710 kg	1845 kg
8000 m	2550 mm	1490 mm	2130 kg	2265 kg

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

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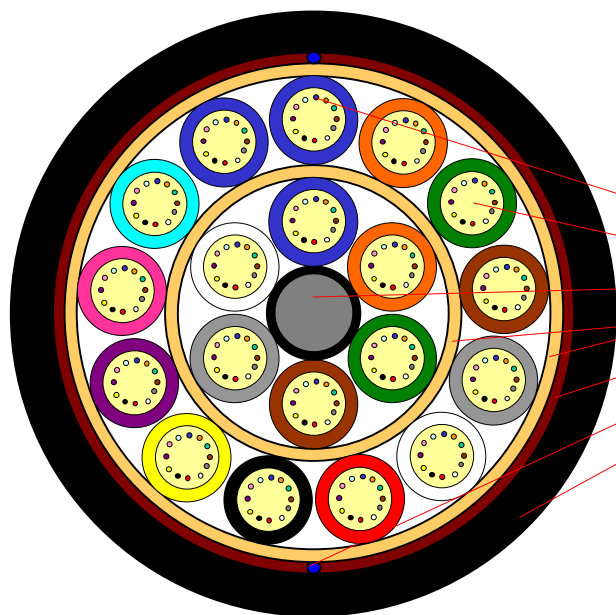
Telephone: +49 (0) 228 7489 201

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

19-Element Dry Core Cable

Issue March 2004

according **OFS Generic Specification**



Application

Mainly used in duct-Installation (HD-PE Tubes) and installed by Cable Blowing or Pulling

Design

- Optical Fibres
- Gel-filled Buffer Tubes (2.5 mm)
- Non-metallic Central Member
- Water Blocking Material
- Non-metallic Strength Elements
- Ripcord
- PE-Jacket

Features

- All Dielectric Cable
- Dry Core Design – Cable core water blocked by means of dry “water swellable” technology - for quicker, cleaner cable prep for jointing
- Two Layer Design for a smaller cable diameter and less cable weight
- Individual coloured tubes

Version illustrated is the 228 Fibre Cable

Fibre Count	Tube 1	Tube 2	Tube 3	Tube 4	Tube 5	Tube 6	AT-Code**
156	Blue	Orange	Green	Brown	Grey	White	AT-□□□12TT-156
168	Blue	Orange	Green	Brown	Grey	White	AT-□□□12TT-168
180	Blue	Orange	Green	Brown	Grey	White	AT-□□□12TT-180
192	Blue	Orange	Green	Brown	Grey	White	AT-□□□12TT-192
204	Blue	Orange	Green	Brown	Grey	White	AT-□□□12TT-204
216	Blue	Orange	Green	Brown	Grey	White	AT-□□□12TT-216
228	Blue	Orange	Green	Brown	Grey	White	AT-□□□12TT-228

Fibre Count	Tube 7	Tube 8	Tube 9	Tube 10	Tube 11	Tube 12	Tube 13	Tube 14	Tube 15	Tube 16	Tube 17	Tube 18	Tube 19
156	Blue	Orange	Green	Brown	Grey	White	Red	Filler*	Filler*	Filler*	Filler*	Filler*	Filler*
168	Blue	Orange	Green	Brown	Grey	White	Red	Black	Filler*	Filler*	Filler*	Filler*	Filler*
180	Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Filler*	Filler*	Filler*	Filler*
192	Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Violet	Filler*	Filler*	Filler*
204	Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Violet	Rose	Filler*	Filler*
216	Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Violet	Rose	Aqua	Filler*
228	Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Violet	Rose	Aqua	Blue

*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.): 17,10 mm
Cable Weight (calc.): 200 kg/km

19-Element 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: 2700 N
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 <i>D is the 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		-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 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	1800 mm	1090 mm	645 kg	717 kg
4000 m	1800 mm	1090 mm	1045 kg	1117 kg
6000 m	1950 mm	1140 mm	1485 kg	1571 kg
8000 m	2550 mm	1490 mm	2050 kg	2185 kg

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

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