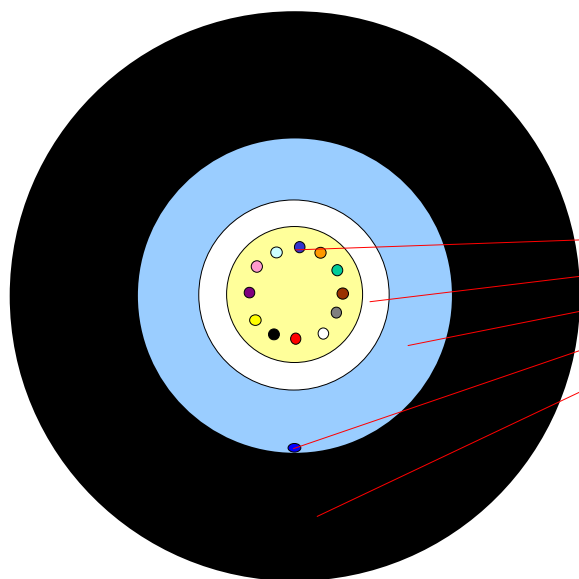


Central Tube Cable

Issue January 2004

according OFS Generic Specification



Application

Mainly used in outside plant to building transitions and inter-building installations

Design

- Optical Fibres
- Buffer Tube
- Double Layer of non-metallic Glass Elements
- Ripcord
- Flame Retardant-Jacket

Features

- All Dielectric Cable
- Central Tube Design
- 12 Individual coloured Single-Mode Fibres
- Meets IEC standards for fire performance (IEC 60332-1 / IEC 61034)
- UV-resistant jacket for reliable service in direct sunlight
- Glass Element provide improved Cable Protection

Version illustrated is the 12 Fibre Cable

Cable Diameter (calc.): 6,5 mm
Cable Weight (calc.): 45 kg/km

**Please refer to the OFS AT- Code.
 The blanks specify the fibre type.
 Alternative central tube colours available on request

Fibre Count	Tube	AT-Code**
4	Natural	AT-□□□76K4-004
6	Natural	AT-□□□76K6-006
8	Natural	AT-□□□76K8-008
10	Natural	AT-□□□76KN-010
12	Natural	AT-□□□76KT-012

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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]
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: 100 N
	Short term load, during installation	- No changes in attenuation before versus after load - Max. fibre strain 0.5%	Load: 2.0 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: 12 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
Impact Resistance: EN 187105-5.5.3 IEC 60794-1-2-E4		- No attenuation increase* before versus after test	5J <i>Hammer Radius 300 mm</i>

* 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	Small Drum Dimensions (approx.)		Shipping Weight (calc.)	
	Diameter(battened)	Width	Without lagging	With lagging
2000 m	1000 mm	700 mm	100 kg	110 kg
4000 m	1000 mm	700 mm	190 kg	200 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>.

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