

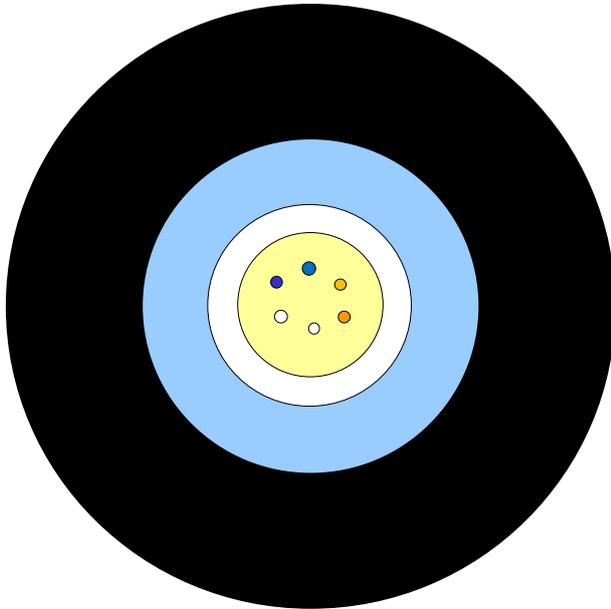
# Central Loose Tube Fibre Optic Cable

All Dielectric Design

## Standard Monotube



Issue January 2021  
according to **OFS Generic Specification**



### Application

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

### Design

- Optical Fibres
- Gel-filled Buffer Tube (Natural coloured) (OD nom. 2.8mm)
- Non-metallic Strength Elements (Glass Rovings)
- Ripcord
- PE sheath

### Features

- Non-metallic Cable Construction
- Central Loose Tube
- Individual coloured Fibres
- Individual coloured Tube optional

Sheath	PE
Tensile Load	1000 N for max. 0.5 % Fibre Strain
Weight [kg/km]	45
Diameter [mm]	6.5
Fibre Count	6
AT-Code*	AT-3CE76B6-006

\*Please refer to the OFS AT- Code.

### Identification

#### Fibre Colour Code:

1	Blue
2	Orange
3	Green
4	Brown
5	Grey
6	White

#### Sheath Marking

**OFS OPTICAL CABLE STANDARD MONOTUBE**  
**[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

	Parameter	Requirement	Value
<b>Tensile Performance:</b>	Long term load	- No attenuation increase*	Load: 400 N
IEC 60794-1-21-E1A and E1B	Short term load, during installation	- No changes in attenuation before versus after load*	Load: 1000 N
<b>Crush Performance:</b>	Long term load	- No attenuation increase*	Load: 500 N
IEC 60794-1-21-E3A	Short term load	- No changes in attenuation before versus after load* - No damage**	Load: 1500 N
<b>Bending Performance:</b>	Handling fixed installed	- No attenuation increase*	Bend radius: 10 x D
IEC 60794-1-21-E11	During installation (under load)	- No changes in attenuation before versus after load*	Bend radius: 15 x D <i>D is the cable diameter</i>
<b>Temperatures:</b>	Operation	Single-mode Fibres:	-30 to +60°C
IEC 60794-1-22-F1	Installation	- No attenuation increase*	- 5 to +50°C
	Storage/Shipping		-30 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	Small Drum Dimensions (approx.)		Shipping Weight (calc.)	
	Diameter(battened)	Width	Without lagging	With lagging
2000 m	1050 mm	790 mm	125 kg	150 kg
4000 m	1050 mm	790 mm	195 kg	220 kg
6000 m	1050 mm	790 mm	265 kg	290 kg
8000 m	1250 mm	790 mm	360 kg	390 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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