

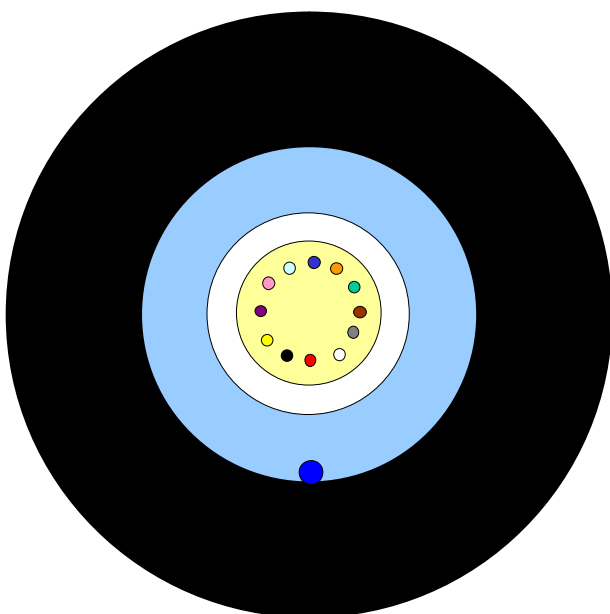
Central Loose Tube Fibre Optic Cable

All Dielectric Design

Standard Monotube



Issue October 2017
according to **OFS Generic Specification**



Application

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

Design

- 2 to 12 Optical Fibres
- Gel-filled Buffer Tube (Natural coloured)
- Non-metallic Strength Elements (Glass Rovings)
- Ripcord
- PE Outer sheath

Features

- Non-metallic Cable Construction
- Central Loose Tube
- Individual coloured Fibres
- Individual coloured Tube optional
- Single-mode and Multimode Fibres

Version illustrated is the 12 Fibre Cable

	Version 1	Version 2
Sheath	PE	PE
Tensile Load	1000 N for max. 0.5 % Fibre Strain	1000 N for max. 0.33 % Fibre Strain
Weight [kg/km]	35	35
Diameter [mm]	6.5	
Fibre Count	2 - 12	
AT-Code*	AT-[][][]76By-xxx	AT-[][][]76By-xxx

*Please refer to the OFS AT- Code. The blanks specify the fibre type (for SM fibers up to 12 fibers per Tube and for MM fibers up to 8 fibers per Tube), xxx and y the fibre count.

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 STANDARD MONOTUBE
[ID] [MM/YYYY] [Handset-Sign]
XXXF [Meter Marking]

Alternative Sheath printing available on request

Central Loose Tube Fibre Optic Cable

All Dielectric Design

Standard Monotube



A Furukawa Company

Issue October 2017
according to **OFS Generic Specification**

Mechanical Properties and Environmental Behaviour

Tests according to IEC 60794

	Parameter	Requirement	Value
Tensile Performance:	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*	Refer to Table on Page 1
Crush Performance:	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
Bending Performance:	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>
Temperatures:	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
	Operation	Multimode Fibres:	-20 to +60°C
	Installation	- No attenuation increase***	- 5 to +50°C
	Storage/Shipping		-20 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 of equal to 0.05 dB for Single-mode Fibres and 0.2 dB for Multimode Fibres.

**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.

*** No changes in attenuation means that any changes in measurement value, either positive or negative within the uncertainty of measurement shall be ignored. The maximal allowance for attenuation changes shall be less than of equal to +/- 0.2 dB/km for 90 % and +/- 0.3 dB/km for 100 % of the fibres.

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>.

Telephone: +49 (0) 228 7489 201
Email: salesurope@ofsoptics.com

