

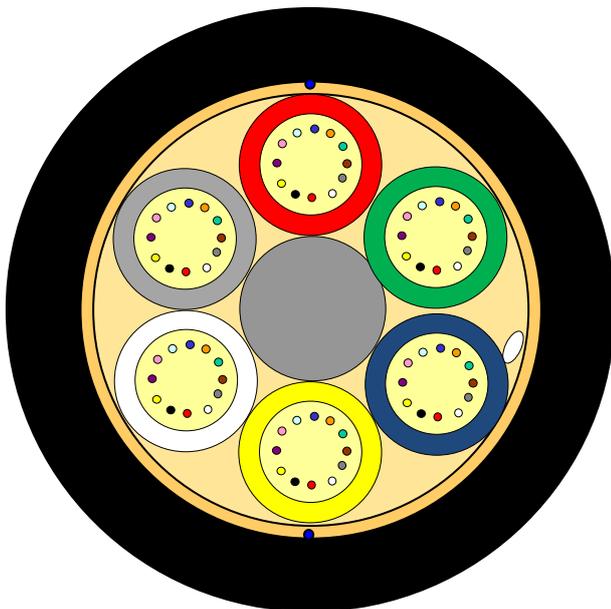
Loose Tube Fibre Optic Outdoor Cable

6 Element All Dielectric Design

Standard Filled Core Cable



Issue January 2021
according OFS Generic Specification



Application

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

Design

- Optical fibres according to ITU-T G652.D
- Gel-filled buffer tubes
- Non-metallic central member
- Jelly Filled Cable Core
- Reversal Point Marking
- Water Blocking Tape
- Non-metallic tensile Elements
- Meter Marking
- Ripcords
- Outer HDPE-jacket

Benefits

- Non-metallic Cable Design
- Filled Core Design – Cable core water blocked by means water blocking filling compound
- Individual coloured tubes

Version illustrated is the 72 Fibre 6 Element Cable

Fiber Count	Tubes	Core Design	Outer Diameter [mm]	Cable Weight [kg/km]	Cable Code
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72	6(12F)	1+6	11,5	110	A-DOF(ZN)2Y 6x12AW (1,5/2,3)A.6 UPE
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This table shows nominal diameter and weight values which may differ in shipments.

Identification

Tube Color Code :

1	Red	2	Green	3	Blue	4	Yellow	5	White	6	Grey
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Identification

Fiber Color Code :

1	Red	2	Green	3	Blue	4	Yellow	5	White	6	Grey
7	Brown	8	Violet	9	Aqua	10	Black	11	Orange	12	Pink

Alternative tube and fiber colour code available on request

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Sheath Marking:

OFS OPTICAL CABLE STANDARD DUCT [ID] [MM/YYYY] [Handset Sign] xxxF [Meter Marking]

Alternative sheath printing available on request.

In case of order the exact sheath printing text will be clarified with the customer.

Mechanical Properties and Environmental Behaviour

Tests according to IEC 60794

	Parameter	Requirement	Value
Tensile Performance: IEC 60794-1-21-E1	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: 1800 N
Crush Performance: IEC 60794-1-21-E3A	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: IEC 60794-1-21-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: IEC 60794-1-22-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
4000 m	1450 mm	790 mm	550 kg
6000 m	1600 mm	1055 mm	790 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.

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