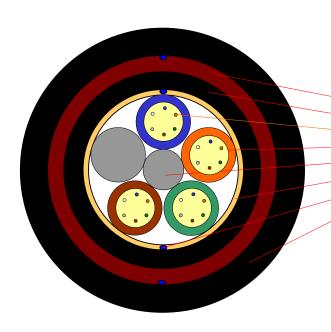


# **Loose Tube Fibre Optic Outdoor Cable**

**All Dielectric Outdoor Cable** 

Issue February 2003

### according OFS Generic Specification



## **Application**

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

#### Design

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

### **Features**

- PKP Sheath Construction offers extra mechanical and environmental protection
- 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 24 Fibre Cable

Fibre Count	Tube 1	Tube 2	Tube 3	Tube 4	Tube 5	AT-Code**
12	Blue 6F	Orange 6F	Filler*	Filler*	Filler*	AT-6262XT6-012
24	Blue 6F	Orange 6F	Green 6F	Brown 6F	Filler*	AT-6262XT6-024

<sup>\*</sup>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.): 12,40 mm Cable Weight (calc.): 115 kg/km

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# **Loose Tube Fibre Optic Outdoor Cable**

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### Identification

#### **Fibre Colour Code:**

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

#### **Sheath Marking:**

OFS OPTICAL CABLE
[ID] [MM/YY] [Handset-Sign]
XXXF [Meter Marking]

Alternative Sheath printing available on request

## **Mechanical Properties and Environmental Behaviour**

Tests according to EN 187105 and IEC 60794

Tensile Performance:	Parameter Long term load	Requirement - No attenuation increase* - No fibre strain	Value	
EN 187105-5.5.4 IEC 60794-1-2-E1A and E2A	Short term load, during installation	No changes in attenuation before versus after load     Max. fibre strain 0.33%	Load: 4000 N	
Crush Performance:	Long term load	- No attenuation increase*	Load (Plate / Plate): 500 N	
EN 187105-5.5.3 IEC 60794-1-2-E3	Short term load	<ul> <li>No changes in attenuation before versus after load</li> <li>No damage**</li> </ul>	Load (Plate / Plate): 3000 N	
Bending Performance:	Handling fixed installed	- No attenuation increase*	Bend radius: 10 x D	
EN 187105-5.5.1 IEC 60794-1-2-E11	During installation (under load)	<ul> <li>No changes in attenuation before versus after load</li> </ul>	Bend radius: 20 x D D is cable diameter	
Temperatures:	Operation	- No attenuation increase*	-40 to +70°C	
EN 187105-5.6.1 IEC 60794-1-2-F1	Installation Storage/Shipping		-15 to +60°C -40 to +70°C	

<sup>\*</sup>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.

## **Shipping Information**

Cable Length	Drum Dimensions (approx.)		Shipping Weight (calc.)	
	Diameter(battened)	Width	Without lagging	With lagging
2000 m	1500 mm	890 mm	383 kg	433 kg
4000 m	1800 mm	1090 mm	705 kg	777 kg
6000 m	1800 mm	1090 mm	935 kg	1007 kg
6000 m	1950 mm	1140 mm	1205 kg	1291 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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<sup>\*\*</sup> 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.