



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

*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

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**

	Parameter	Requirement	Value
Tensile Performance: EN 187105-5.5.4 IEC 60794-1-2-E1A and E2A	Long term load	- No attenuation increase* - No fibre strain	
	Short term load, during installation	- No changes in attenuation before versus after load - Max. fibre strain 0.33%	Load: 4000 N
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): 3000 N
Bending Performance: EN 187105-5.5.1 IEC 60794-1-2-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: EN 187105-5.6.1 IEC 60794-1-2-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	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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