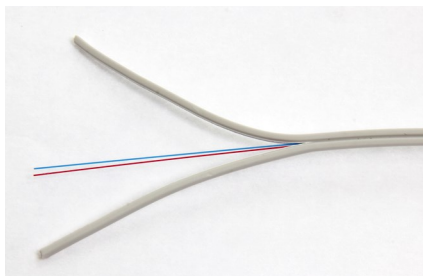


# EUROLAN Fiber cable

## Flat Drop 9/125 2xFRP G.657 A1

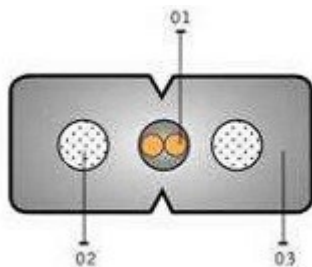


### Ordering information

Part number	E-number	Description
39D-S3-F1-01WT-B1200	4700003	Eurolan Flat F1 2xFRP 657.A1 White Reel in box

### Construction

Fibres	2
Strength members	Strain relief elements 0,4mm
Outer jacket/Colour	Halogen free (LSZH) White
Weight (kg/km)	9,7
Outer Ø (mm)	2,2 x 3,5 ± 0,2
Delivery length	1200 ± 24m
Max. Tensile Load (N)	1000 (Operating) /1800 (Installation) (IEC 60794-1-21 E1)



### Cable specifications (construction in accordance with IEC 60794)

1. Primary coated optical fibers:  $\text{Ø}250 \pm 15\mu\text{m}$ . Color coding: yellow - blue
2. Strain relief elements 0,4 mm as strength members and for easy split ability.
3. White halogen free (LSZH) outer jacket.

### Safety

	Testing standard	Description/Value
Reaction to fire	IEC 60332-1 EN 50575	DCA
Smoke density	IEC 61034-2	
Halogen acid gas content	IEC 60754-1	Zero
Degree of acidity of gases	IEC 60754-2 IEC-60754-2	Min. 4.3 pH Max. $10\mu\text{S/mm}$

- ✓ **Application:**  
Small, lightweight dielectric Flat Drop cable offers an ideal solution for the smaller fiber counts that are needed in the final sections of an optical network, particularly in a **fiber-to-the-premise (FTTx)** installation.
- ✓ **Options:**  
Compact and strong for optimum protection of the fibers. Two strain relief elements are placed diametrically opposite on either side of the fiber core providing excellent crush resistance and tensile strength.
- ✓ **Easy separation** of the webbed cable and quick access to the fiber core.
- ✓ **Glass:** ITU G.657A1 BI
- ✓ **CPR Classification:**  
Dca
- ✓ **Reaction to fire:**  
IEC 60332-1 and EN 50575
- ✓ **Smoke density:**  
IEC 61034-2
- ✓ **Halogen acid gas content:**  
IEC 60754-1
- ✓ **Degree of acidity of gases:**  
IEC 60754-2
- ✓ **Halogen free**
- ✓ **NOTICE!** When laying and installing it's vitally important not to exceed the specific values set for pulling tension, bending radii and temperature.

# EUROLAN Fiber cable

## Flat Drop 9/125 2xFRP G.657 A1

Mechanical Properties			
Description:	Tested according to:	Requirement:	According to Family specifications:
Storage Temperature Range	IEC 60794-1-22-F1	-40 to +70°C	IEC 60794-2-10
Installation Temperature Range		-15 to +50°C	
Operating Temperature Range		-40 to +70°C	
<b>Strippability</b> Secondary coating only Secondary + primary coating		≤ 10cm ≤10mm	
<b>Bending radii for fibres and tight buffers</b> Installation/Operation For bend Insensitive fibres		>25 mm See Optical characteristics	
<b>Cable Min Bend Radius Operation (long term)</b>	IEC 60794-1-21-E11	15 x Cable diameter	
<b>Cable Min Bend Radius Installation (short term)</b>	IEC 60794-1-21-E6	20 x Cable diameter	
<b>Cable Max tensile Strength Operation (long term)</b>	IEC 60794-1-21-E1	25 N	IEC 60794-2-10
<b>Cable Max tensile Strength Installation (short term)</b>		75 N	
<b>Cable Max Crush Resistance Installation (short term)</b>	IEC 60794-1-21-E3	5 kN/m	IEC 60794-2-10
<b>DoP no</b>	ZMEU-300111		

Characteristics Single-Mode - Matched-Cladded optical fibres acc. to ITU							
European P/N Coding, Position 5	Fiber-type	Mode-Field/ Cladding Diameter (µm)	Wave-length (nm)	Attenuation <sup>B</sup> Typical/max. (db/km)	Dispersion (ps/(nm-km))	PMD <sup>A</sup> (ps/km)	Cable cut-off Wave-length (nm)
A	9/125 G657A1 BI	8.9 ± 0.4 124.8 ± 0.3	1310 1550 1625	0.34 / 0.35 0.19 / 0.21 0.20 / 0.24	≤ 3.5 ≤ 18 0	≤ 0.06	≤ 1260

Max. attenuation increase for bend insensitive Single Mode fibers in dB depending on turns and radius							
European P/N Coding, Position 5	Fiber-type	Wave-length (nm)	Turns 100 Radius 25mm	Turns 10 Radius 15mm	Turns 1 Radius 10mm	Turns 1 Radius 7.5mm	Turns 1 Radius 5mm
A	9/125 G657A1	1550 1625	0.01 0.05	0.2 0.5	0.2 0.5		