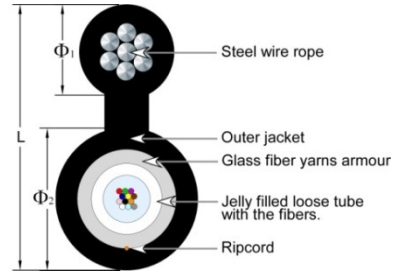


**FOC ST L GFAFIG8 - Fiber Optic Cable / Single Tube / Loose Tube Structure / Glass Fiber Yarns Armour / Self-supporting 8 Figure**



**Structure & composition**

Gel filled PBT loose tube with optical fibers.  
 Glass fiber yarns.  
 Outer jacket. The material of this jacket is chosen taking into account some factors such as location (indoor / outdoor) or a certain flexibility.  
 Messenger wire consists of 7 twisted strands of 0.4 mm in diameter galvanized steel.

**Description & applications**

Suitable cable for aerial applications for spans up to 50 m.  
 To be ducted, stapled on wall or installed on cable trays.  
 Reduced dimensions for easier installation and better handling.  
 PVC FR or LSZH jacket is used in indoor applications.  
 High tensile strength and crush resistance.  
 E-glass strength members for rodent resistance.

**Specifications**

Fibers cable no.>	Units	2 to 12	16,24	Standard
		L x Φ <sub>1</sub> x Φ <sub>2</sub> mm	8,2 x 2,6 x 5,2	9,2 x 2,6 x 6,2
Nominal weight ( Polyethylene )	Kg / Km	38	48	
Nominal weight ( LSZH )	Kg / Km	43	82	
Minimum bend radius *	mm	15xΦ cable		IEC 60794-1-E10
Tensile strength *	N	1000		IEC 60794-1-E1
Max. allowable strength during installation	N	1500		IEC 60794-1-E1
Crush resistance *	N / cm	60		IEC 60794-1-E3
Operating temperature range *	°C	-20/75		IEC 60794-1-F1

\* The attenuation in a given wavelength range does not exceed the attenuation of the reference wavelength (λ) by more than 0.05 dB/km

**Cable options**

For this general datasheet, outer jacket, number and fiber type must be chosen.

Jacket	Fibers no.	Fiber type
PE Polyethylene	2	9/125 Single mode fiber ITU-T G.652D
LSZH Low Smoke Zero Halogen	4	62.5/125 Multimode fiber TIA/EIA 492AAAA
V Polyvinylchloride	.....	50/125 Multimode fiber TIA/EIA 492AAAB
PU Polyurethane	24	OM3 Multimode fiber TIA/EIA 492AAAC
		G655 Non-zero dispersion-shifted ITU-T G.655

**Colour code**

Optical fiber colour coding according to TIA-598-C :



Fibers 13 to 24 are the same colour as the first twelve but with black rings, except fiber no. 20 that is natural colour without rings.

**Nomenclature / Cable reference**

Complete reference	Main Family	Jacket	Fibers no.	Fiber type
FOC ST L GFAFIG8 PE 12 OF 9/125	FOC ST L GFAFIG8	PE Polyethylene jacket.	12	9/125
Fiber Optic Cable Single Tube Loose Tube Structure Glass Fiber Yarns Armour Self-supporting 8 Figure.				

In order to improve performances, Sigma Network reserves the possibility to modify present datasheet without previous notice.