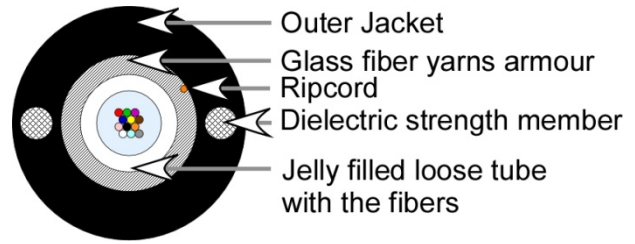


**FOC ST L GFA+2FRP - Fiber Optic Cable / Single Tube / Loose Tube Structure / Glass Fiber Yarns Armour+2FRP**



**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.  
 Two non metallic peripheral strength members embedded in the jacket ( $\Phi=1$  mm).

**Description & aplicaciones**

Rugged cable to be ducted, stapled on wall and on cable trays applications.  
 Reduced dimensions and high rigidity due to the rods embedded in the jacket.  
 This rigidity avoids bends during blowing installation and excessive buckling of the cable.  
 High tensile strength and crush resistance.  
 E-glass strength members for rodent resistance.  
 Aerial cable suitable for spans up to 40 m..

**Specifications**

	Fibers cable no. >	2 to 12	16,24	Standard
	Units			
Nominal outer diameter	mm	7,2	8,2	
Nominal weight ( Polyethylene )	Kg / Km	50	60	
Nominal weight ( LSZH )	Kg / Km	60	70	
Minimum bend radius *	mm	15x $\Phi$ cable		IEC 60794-1-E10
Tensile strength *	N	1500		IEC 60794-1-E1
Max. allowable strength during installation	N	2000		IEC 60794-1-E1
Crush resistance *	N / cm	100		IEC 60794-1-E3
Operating temperature range *	°C	-30/75		IEC 60794-1-F1

\* The attenuation in a given wavelength range does not exceed the attenuation of the reference wavelength ( $\lambda$ ) 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 same colour that 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 GFA+2FRP PE 12 OF 62.5/125	FOC ST L GFA+2FRP	PE	12	62.5/125
		Polyethylene jacket		
Fiber Optic Cable Singletube Loose Tube Structure Glass Fiber Yarns Armour+2FRP.				

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