

FOC ST L GFA+2FRP

COD: DATE: 09/02/2017

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



Outer Jacket Glass fiber yarns armour Ripcord

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).

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 15xΦ 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 (λ) by more than 0.05 dB/Km

Cable options

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

				Glass fiber yarns armour Ripcord Dielectric strength member Jelly filled loose tube				
with the fibers					with the fibers	ler t		
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tube with optical fiber	***			-	and an wall and an applications	e pe		
tube with optical fiber	rs.			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				
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such as location (inc	•	~	•	ditv avoids bends du	ring blowing installation and excessive buckling	ıces		
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th during installation	N	200	30	IEC 60794-1-E1				
Crush resistance *	N / cm	10		IEC 60794-1-E3				
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Jelly filled loose tube with the fibers Description & aplicaciones								
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Jacket			Fibers no.		Fiber type	t wi		
PE Polyethyl			2	9/125	Single mode fiber ITU-T G.652D	itho		
LSZH Low Smo	ke Zero Haloş	gen	4	62.5/125	Multimode fiber TIA/EIA 492AAAA	ut p		
V Polyvinyl				50/125	Multimode fiber TIA/EIA 492AAAB	rev		
PU Polyureth			24	OM3	Multimode fiber TIA/EIA 492AAAC	riou		
				G655	Non-zero dispersion-shifted ITU-T G.655	vious notice.		
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oding according toTIA-598-C:								
		rev 6-wh	hite 7-red	8 black 9.	vellow 10-violet 11-pink 12-turquoise			

Colour code

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

1-blue	2-orange	3-green	4-brown	5-grey	6-white	7-red	8-black	9-yellow	10-violet	11-pink	12-turquoise

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.