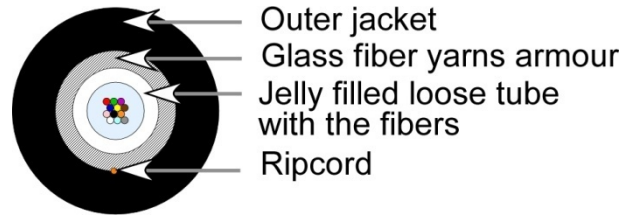


FOC ST L GFA - Fiber Optic Cable / Single Tube / Loose Tube Structure / Glass Fiber Yarns Armour



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.

Description & applications

Flexible cable, suitable 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. >	2 to 12	16,24	Standard
	Units			
Nominal outer diameter	mm	6,8	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	1300		IEC 60794-1-E1
Max. allowable strength during installation	N	1500		IEC 60794-1-E1
Crush resistance *	N / cm	200		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 GFA PE 12 OF 62.5125	FOC ST L GFA	PE Polyethylene jacket.	12	62.5/125

Fiber Optic Cable Singletube Loose Tube Structure Glass Fiber Yarns Armour.

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