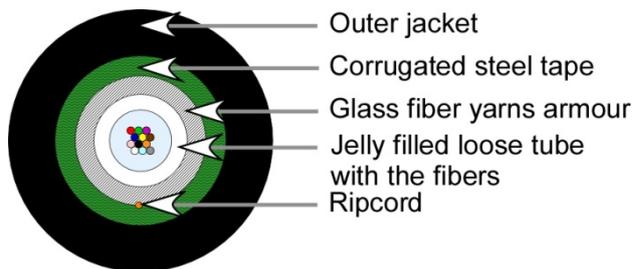


FOC ST L GFSA- Fiber Optic Cable / Single Tube / Loose Tube Structure / Glass Fiber Yarns and Steel Tape Armour



Structure & composition

Gel filled PBT loose tube with optical fibers.
 Glass fiber yarns.
 Copolymer-coated corrugated steel tape armour layer.
 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

Rugged cable to be ducted, direct buried, stapled on wall and on cable trays applications.
 Reduced dimensions for easier installation and better handling.
 PVC FR or LSZH jacket is used in indoor applications.
 High tensile strength and crush resistance.
 Glass reinforcement and corrugated steel armoring for rodent protection.
 Suitable for harsh environment.

Specifications

	Fibers cable no. >	2 to 12	16,24	Standard
	Units			
Nominal outer diameter	mm	8,5	9,5	
Nominal weight (Polyethylene)	Kg / Km	70	100	
Nominal weight (LSZH)	Kg / Km	83	116	
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	150		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 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
 FOC ST L GFSA PE 12 OF 62.5/125

Main Family
 FOC ST L GFSA

Jacket
 PE

Fibers no.
 12

Fiber type
 62.5/125

Polyethylene jacket

Fiber Optic Cable Single Tube / Loose Tube Structure Glass Fiber Yarns and Steel Tape Armour

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