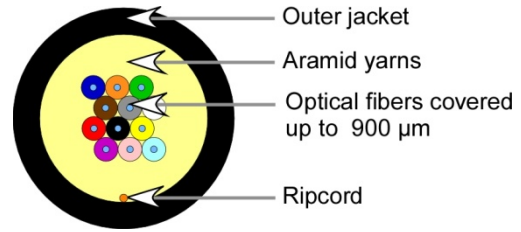
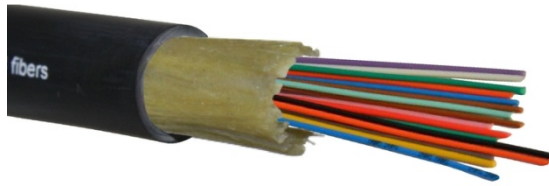


**FOC ST T DT KA - Fiber Optic Cable / Single Tube / Tight Buffer-Distribution / Aramid Yarns Armour**



**Structure & composition**

900 µm tight buffered fibers.  
 Aramid yarns.  
 Outer jacket. The material of this jacket is chosen taking into account some factors such as location (indoor / outdoor) or a certain flexibility.  
 LSZH jacket are normally used in this type of cables.

**Description & applications**

High flexibility and small size cable suitable for indoor applications.  
 Direct field connectorization capability  
 Fully dry cable. Absence of jelly makes the cable easy to manage.  
 To be ducted, install in conduits or on cable trays.

**Specifications**

	Fibers cable no. >	2	4	8	12	16	24	Standard
	Units							
Nominal outer diameter	mm	5	5,5	6,5	8,3	8,4	10,4	
Nominal weight ( Polyethylene )	Kg / Km	23	28	38	58	66	84	
Nominal weight ( LSZH )	Kg / Km	29	35	46	69	78	99	
Minimum bend radius *	mm	10xΦ cable						IEC 60794-1-E10
Tensile strength *	N	850	1000	1400	2500	2700	2900	IEC 60794-1-E1
Max. allowable strength during installation	N	1500	1700	2000	3000	3200	3500	IEC 60794-1-E1
Crush resistance *	N / cm	100						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 fibers colour coding according to TIA-598-C :



Fibers 13 to 24 are same colour code that the first twelve but with black rings. Except fiber no. 20 (black), rings are white.

**Nomenclature / Cable reference**

Complete reference	Main Family	Jacket	Fibers no.	Fiber type
FOC ST T KA LSZH 12 OF 62.5/125	FOC ST T KA	LSZH	12	62.5/125
		LSZH Jacket		

Fiber Optic Cable Singletube Tight Buffer-Distribution Aramid Yarns Armour.

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