

**FOC MT L GFA - Fiber Optic Cable / Multi Tube / Loose Tube Structure / Glass Fiber Yarns Armour**

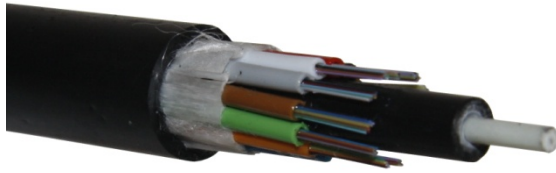
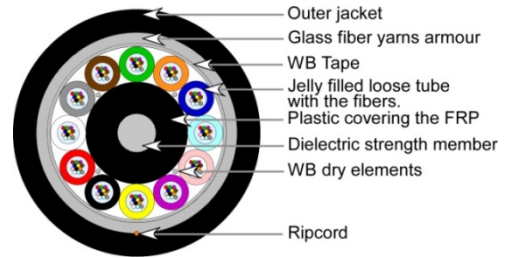


Image:144 fo cable



**Structure & composition**

Fiber Reinforced Plastic (FRP) central strength member. Loose tubes are stranded around it.  
 Gel filled PBT loose tube with optical fibers.  
 Water blocked cable core through the use of water-swallowable elements or jelly.  
 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**

Rugged cable to be ducted, stapled on wall and on cable trays applications.  
 Suitable for harsh environment.  
 High tensile strength and crush resistance.  
 E-glass strength members for rodent resistance.

**Specifications**

		12 to 72	96	144	192,216	288	Standard
Fibers cable no. >		12 to 72	96	144	192,216	288	
PBT tubes no. >		1 a 6	8	12	16,18	24	
Fibers per tube >		12	12	12	12	12	
	Units						
Nominal outer diameter	mm	9,8	11,6	14,2	14,5	16	
Nominal weight ( Polyethylene )	Kg / Km	80	110	164	160	216	
Nominal weight ( LSZH )	Kg / Km	108	137	198	195	255	
Minimum bend radius *	mm			15xΦ cable			IEC 60794-1-E10
Tensile strength *	N	2000	2000	2000	2500	2500	IEC 60794-1-E1
Max. allowable strength during installation	N	3000	3000	3000	3500	3500	IEC 60794-1-E1
Crush resistance *	N / cm			150			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: core filling, outer jacket, number and fiber type must be chosen.

Core	Jacket	Fibers no.	Fiber type
J Jelly	PE Polyethylene	12	9/125 Single mode fiber ITU-T G.652D
D Water-swallowable yarns	LSZH Low Smoke Zero Halogen	48	62.5/125 Multimode fiber TIA/EIA 492AAAA
	V Polyvinylchloride	.....	50/125 Multimode fiber TIA/EIA 492AAAB
	PU Polyurethane	.....	OM3 Multimode fiber TIA/EIA 492AAAC
			288 G655 Non-zero dispersion-shifted ITU-T G.655

**Colour code**

Optical fibers and tubes colour coding according to TIA-598-C :



Tubes 13 to 24 are same colour code that the first twelve but with black rings. In tube no. 20 (black) rings are white.

**Nomenclature / Cable reference**

Complete reference	Main Family	Core	Jacket	Fibers no.	Fiber type
FOC MT L GFA D PE 72 OF 9/125	FOC MT L GFA	D	PE Polyethylene jacket	72	9/125
		Dry core			

Fiber Optic Cable Multitube Loose Tube Structure Glass Fiber yarns armour.

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