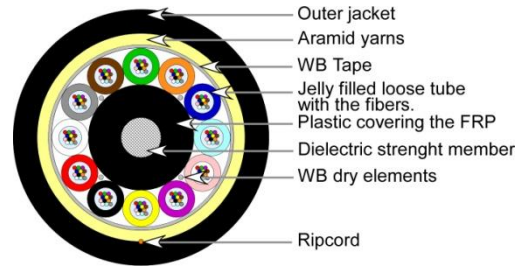


**FOC MT L KA - Fiber Optic Cable / Multi Tube / Loose Tube Structure / Aramid Yarns Armour**



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-swellaible elements.  
 Aramid yarns.  
 Polyethylene Outer jacket.

**Description & applications**

Rugged cable to be ducted, stapled on wall and on cable trays applications.  
 All dielectric cable suitable for aerial applications too (Spans up to 80 m.)  
 Suitable for harsh environment.  
 High tensile strength and crush resistance.

**Specifications**

		72	144	Standard
Fibers cable no. >		72	144	
PBT tubes no. >		6	12	
Fibers per tube >		12	12	
	Units			
Nominal outer diameter	mm	12,7	19,2	
Nominal weight ( Polyethylene )	Kg / Km	125	285	
Minimum bend radius *	mm	15xΦ cable		IEC 60794-1-E10
Tensile strength *	N	4000	4000	IEC 60794-1-E1
Max. allowable strength during installation	N	5000	5000	IEC 60794-1-E1
Crush resistance *	N / cm	200		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: number and fiber type must be chosen.

Fibers no.	Fiber type
72	9/125 Single mode fiber ITU-T G.652D
144	62.5/125 Multimode fiber TIA/EIA 492AAAA
	50/125 Multimode fiber TIA/EIA 492AAAB
	OM3 Multimode fiber TIA/EIA 492AAAC
	G655 Non-zero dispersion-shifted ITU-T G.655

**Colour code**

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



Tubes color coding for 72 OF cable : WHITE,RED,YELLOW,GREEN,BLUE,GREY

Tubes color coding for 144 OF cable : WHITE,RED,YELLOW,GREEN,BLUE,GREY,ORANGE,BROWN,BLACK,VIOLET,PINK,TURQUOISE.

**Nomenclature / Cable reference**

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

Fiber Optic Cable Multitube Loose Tube Structure Aramid yarns armour

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