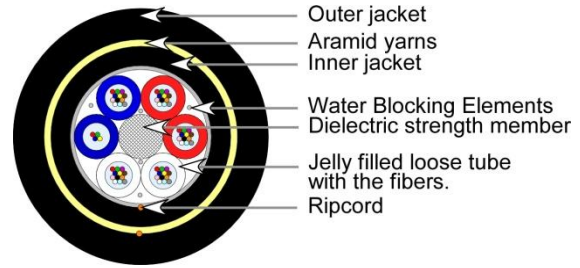


FOC MT L KA DJ - Fiber Optic Cable / Multi Tube / Loose Tube Structure / Aramid Yarns Armour / Double Jacket



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 dry water-swellaable elements .
 Inner jacket of Polyethylene.
 Aramid yarns.
 Outer jacket of Polyethylene.

Description & applications

All dielectric, self-support cable for aerial applications suitable for spans up to 80m.
 To be ducted or stapled on wall.
 Suitable for harsh environment. High resistance to heavy load conditions (wind and ice).
 Aramid reinforcement provides high tensile strength.

Specifications

Fibers cable no. >	64	Standard
PBT tubes no. >	6	
Fibers per tube >	5 tubes x 12 OF + 1 tube x 4 OF	

	Units		
Nominal outer diameter	mm	14,5	
Nominal weight	Kg / Km	160	
Minimum bend radius *	mm	220	IEC 60794-1-E10
Tensile strength *	N	3000	IEC 60794-1-E1
Max. allowable strength during installation	N	4000	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: fiber type must be chosen.

Fiber type

9/125	Single mode fiber ITU-T G.652D
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

TUBES COLOR CODE :WHITE 1 (12 OF),WHITE 2 (12 OF) , RED 1(12 OF),RED 2 (12 OF) ,BLUE 1(12 OF) , BLUE 2(4 OF)
 Fibers color code on 12 OF Tubes : blue,orange,green,brown,grey,white,red,black,yellow,violet,pink,turquoise.
 Fibers color code on 4 OF Tube : green,red,blue,yellow

Nomenclature / Cable reference

Complete reference FOC MT L KA D PE DJ 64 OF 9/125	Main Family FOC MT L KA DJ	Core D	Jacket PE	Fibers no. 64	Fiber type 9/125
		Polyethylene jacket			
		Dry core			
Fiber Optic Cable Multi Tube Loose Tube Structure Aramid Yarns Armour Double Jacket					

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