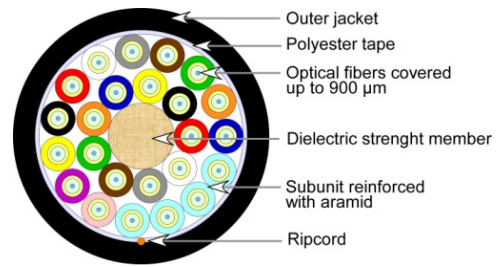


FOC MT T B - Fiber Optic Cable / Multi Tube / Tight Buffer-Breakout



Image:24 of cable



Structure & composition

Fiber Reinforced Plastic (FRP) central strength member. Tubes or sub-units are stranded around it.
 LSZH tube ($\Phi=2$ mm) individually armoured with aramid yarns.
 Each tube contains a 900 μm tight buffered fiber.
 Cable core wrapped with a polyester tape.
 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 usually used in this type of cables.

Description & applications

Breakout cables are more robust than distribution cables.
 This type of cables are flexible enough to be used in indoors applications.
 Direct field connectorization capability.
 Fully dry cable. Absence of jelly makes the cable easy to manage.
 Each sub-unit can be used as an individual cable.

Specifications

Fibers cable no. >	4	6	8	12	16	24	Standard
Units							
Nominal outer diameter	mm	7	8	9,3	11,8	11,6	14,5
Nominal weight (Polyethylene)	Kg / Km	40	58	75	118	112	167
Nominal weight (LSZH)	Kg / Km	51	70	90	138	131	192
Minimum bend radius *	mm	10x Φ cable					IEC 60794-1-E10
Tensile strength *	N	500	800	1500	1800	2000	3000
Max. allowable strength during installation	N	1000	1200	2000	2500	2800	4000
Crush resistance *	N / cm	150					IEC 60794-1-E3
Operational 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: outer jacket, number and fiber type must be chosen.

Jacket	Fibers no.	Fiber type
PE Polyethylene	4	9/125 Single mode fiber ITU-T G.652D
LSZH Low Smoke Zero Halogen	8	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
	24	G655 Non-zero dispersion-shifted ITU-T G.655

Colour code

White colour for 900 μm buffer.
 2 mm sub-units are numbered from 1 to 24 depending on fibers number.
 Sub-unit jacket colours: yellow for Singlemode, blue for 50/125 multimode and orange for 62, 5/125 multimode. The outer jacket is black.

Nomenclature / Cable reference

Complete reference	Main Family	Core	Jacket	Fibers no.	Fiber type
FOC MT T B D LSZH 8 OF 50/125	FOC MT T B	D	LSZH	8	50/125
		Dry core	LSZH Jacket		

Fiber Optic Cable Multi Tube Tight Buffer-Breakout

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