

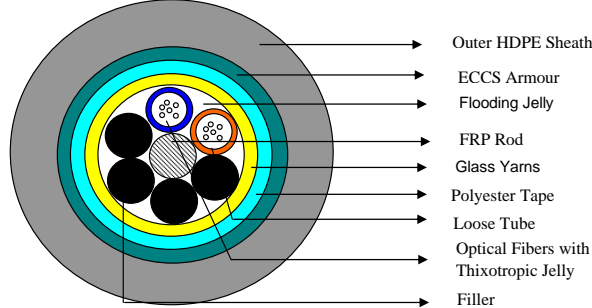
**12 Fiber Multi Mode Multitube Fiber Optic
Cable Part No. 1-2225412-2**



DATA SHEET

CABLE DESCRIPTION

- 1 50/125 OM4 Multimode Armored Optical Fiber cables
- 2 Designed with a Loose tube construction
- 3 Tubes are gel filled to ensure protection against moisture ingress
- 4 Designed for use in the following applications like Backbone cabling, Campus site cabling & Outdoor Ducts or Direct Burial applications
- 5 Cable contains upto 12 Fibers
- 6 Each loose tube contain 6 Optical Fibers
- 7 ECCS Armour
- 8 Central Strength - FRP Rod
- 9 HDPE Sheath



SL.No.	PARAMETER	UNIT	SPECIFICATIONS
1	TYPE OF CABLE		12F MULTITUBE ARMOURED OPTICAL FIBER CABLE
2	STANDARDS		
a)	EN 50173; ISO/IEC 11801		YES
b)	ANSI/TIA-568-C.3		YES
c)	Telcordia GR-409		YES
3	FIBER		MULTIMODE MODE FIBER
a)	FIBER SIZE	um	50/125/250 (OM4)
b)	No. OF FIBERS / LOOSE TUBE	No.	6F
c)	FIBER IDENTIFICATION		
	6F		Blue, Orange, Green, Brown, Grey & White
4	OPTICAL PARAMETERS - MM		
a)	ATTENUATION @ 850nm	dB/Km	≤ 2.7 (MAX)
b)	ATTENUATION @ 1300nm	dB/Km	≤ 0.7 (MAX)
c)	CABLED FIBER ATTENUATION @ 850 nm	dB/Km	≤ 3.0 (MAX)
d)	CABLED FIBER ATTENUATION @ 1300 nm	dB/Km	≤ 1.0 (MAX)
e)	OVERFILL BANDWIDTH		
	@ 850nm	MHz x km	≥ 3500
	@ 1300nm	MHz x km	≥ 500
f)	MAX.LINK LENGTH FOR 1 Gbit/s		
	@ 850nm (1000Base-SX)	Meter	1040
	@ 1300nm (1000Base-LX)	Meter	600
g)	MAX.LINK LENGTH FOR 10 Gbit/s		
	@ 850nm (10GBase-SR & SW)	Meter	550
	@ 1300nm (10GBase-LX4)	Meter	300
	By using Mode Conditioning Patch cord		
h)	CORE/MODE-FIELD	um	50
i)	CLADDING	um	125
j)	COATING	um	250
5	LOOSE TUBE / TIGHT BUFFER		LOOSE TUBE
a)	MATERIAL		PBTP
b)	No. OF LOOSE TUBES	No.	2
c)	DIAMETER	mm	3±0.2
d)	COLOUR OF LOOSE TUBE		BLUE & ORANGE
e)	SEQUENCE OF ELEMENTS IN CORE		BL , OR LOOSE TUBES, BK1, BK2, BK3 & BK4 FILLERS
f)	LOOSE TUBE GEL		WATER BLOCKING GEL
g)	CORE WRAPPING		SINGLE LAYER OF POLYESTER TAPE
6	JACKETING		
a)	MATERIAL		HDPE
b)	COLOUR		BLACK
c)	NOMINAL THICKNESS	mm	2.0
d)	OVERALL DIAMETER (NOMINAL)	mm	15.5
7	STRENGTH MEMBERS		YES
a)	TYPE (Peripheral)		WATER BLOCKING E-GLASS
b)	TYPE (Central)		FRP ROD
8	ARMOURING		
a)	TYPE		ECCS TAPE
b)	MS TAPE THICKNESS		> 0.15
9	MECHANICAL PROPERTIES		
a)	MINIMUM INSTALLATION BEND RADIUS	mm	310
b)	MINIMUM SERVICE BEND RADIUS	mm	248
c)	CABLE WEIGHT (NOMINAL)	Kg/Km	215
d)	STANDARD LENGTH	Mtrs	2KM±5%
e)	TENSILE STRENGTH	N	4000
f)	MAXIMUM CRUSH RESISTANCE	N	4000
g)	OPERATING TEMPERATURE	deg C	-20 to +70
h)	TYPE OF PACKING		WOODEN DRUM
10	PRINTING DETAILS		ADC F.O CABLE 1-2225412-2 ECCS GEL LOOSE Multi TUBE 12X50/125 OM4F HDPE (ML)XXXX/YY/ZZ MMMM

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