



OUTDOOR / INDOOR, DUCT, All-Dielectric



FIBER OPTIC System

Fiber Optic Cabling & Networking ... Fiber INTERLINK Tel. 02-866-1111 (100 Lines)

Application

- 25/40/50/100/200/400Gbps Ethernet
- IEEE802.3ae 10G Ethernet
- IEEE802.3z Gigabit Ethernet
- IEEE802.3u Fast Ethernet
- 52/155/622Mbps, 1.2Gbps ATM
- FDDI, Fiber Channel
- FTTx, CATV, CCTV and others

Standards

- ANSI/TIA/EIA-568.3-D, ANSI/TIA-568-C.3
- ANSI/ICEA 696, ANSI/ICEA 596
- Telcordia(Bellcore)GR-20-CORE, GR-409-CORE
- ITU-T G.651 (Multimode)
- ITU-T G.652D (Single mode)
- ISO/IEC 11801:2017, EN 50173-1
- IEC 60332-1-2
- IEC 61034-2, IEC60754-2
- IEC 60793, IEC60794-1-2
- TIS 2165-2548
- RoHS Compliant

Optical Performances

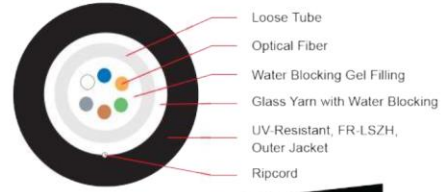
Optical Transmission Performance	Singlemode	Multimode			
	1310/1383/1550/1625 nm	850/1300 nm			850/953/1300 nm
	9/125 μm (OS2)	50/125 μm (OM2)	50/125 μm (OM3)	50/125 μm (OM4)	50/125 μm (OM5)
Max. Attenuation (dB/km)	0.35 / 0.35 / 0.21 / 0.23	2.7 / 0.8	2.7 / 0.8	2.7 / 0.8	2.7/2.3/0.8
Typ. Attenuation (dB/km)	0.33 / 0.31 / 0.19 / 0.20	2.5 / 0.7	2.3 / 0.6	2.3 / 0.6	2.3/2.0/0.6
Bandwidth (MHz/km)	N / A	500 / 500	1500 / 500	3500 / 500	3500/1850/500
850 nm Laser bandwidth (MHz/km)	N / A	N / A	2000	4700	4700
Numerical Aperture	0.13 ± 0.01	0.200 ± 0.015	0.200 ± 0.015	0.200 ± 0.015	0.200±0.015

Mechanical Properties

	UFCX3XX 4 -6 Core	UFCX312 12 Core	UFCX324M 24 Core	
Max. Tensile Load, Installation / Operation	1800 / 900	1800 / 900	1800 / 1000	N
Max. Crush Resistance	1500	1500	2200	N / 10 cm
Cable Diameter, approx.	7.2 ± 0.5	7.7 ± 0.5	9.2 ± 1.0	mm
Cable Weight, approx.	53 ± 5	60 ± 5	85 ± 10	kg / km
Min. Bending Radius, Installation / Operation	15x / 10x	15x / 10x	20x / 10x	Cable Diameter
Installation / Operation Temperature	-40°C to +70°C	-40°C to +70°C	-40°C to +70°C	
Storage / Shipping Temperature	-40°C to +75°C	-40°C to +75°C	-40°C to +75°C	

Part Number

Description	4 Core	6 Core	12 Core	24 Core
Singlemode, 9/125 μm, OS2	UFC9304	UFC9306	UFC9312	UFC9324M
Multimode, 50/125 μm, OM2	UFC5304	UFC5306	UFC5312	UFC5324M
XG Multimode, 50/125 μm, OM3	UFC4304	UFC4306	UFC4312	UFC4324M
Multimode, 50/125 μm, OM4	UFC3304	UFC3306	UFC3312	UFC3324M
Multimode, 50/125 μm, OM5	UFC2304	UFC2306	UFC2312	UFC2324M



Features/Construction

- High performance multimode (OM2, OM3, OM4 and OM5) and singlemode (OS2 or G.652D) fiber optic cable
- Fiber colors identification comply to TIA/EIA-598-C and EIA-359-A
- PBT Loose tube design provides high strength and low shrinkage with thixotropic jelly filled loose tube for water penetration protection
- E-glass yarn with water blocking provide for strength member water blocking and Safety for outdoor environment
- Ripcord is easy to strip
- UV-resistant, Flame-retardant black PE with LSZH (Low Smoked Zero Halogen) outer jacket