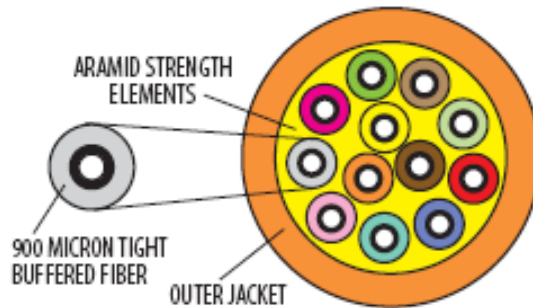


Multi-Core Indoor Fiber Cable



Description:

- The cable consists of 4-48 tight-buffered fibers located in bundle in cable center, aramid fiber yarns as strength member, and proper material jacket

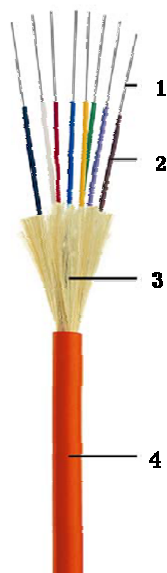
Features:

- Compact and light weight
- Flexible, easy to strip, low attenuation
- Good mechanical and environmental properties

Application:

- For indoor cabling, patch-cord, pigtails, interconnect lines of equipments, distribution cable
- Building cabling system, LAN backbone, Network connections
- PVC outer sheath compliant to RoHS standard

Cable Construction: (construction in accordance with IEC 60794)

	<ol style="list-style-type: none"> 1- Fibers <ul style="list-style-type: none"> ● 4-48 fibers ● Color: natural ● Coating diameter: $242 \pm 7 \mu\text{m}$ 2- Buffer fiber <ul style="list-style-type: none"> ● Diameter: $0.87 \pm 0.05 \text{mm}$ ● Color-coding per TIA/EIA 598A 3- Overall strength member <ul style="list-style-type: none"> ● Aramid fiber yarn 4- Outer jacket: <ul style="list-style-type: none"> ● Flame-retardant polyvinyl chloride (PVC) ● Sequential meter markings ● Color: yellow jacket—single-mode fibers Orange jacket—multi-mode fibers (except 10Gbps) Aqua jacket—10Gbps Multi-mode fibers
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Cable Performance

Temperature range		°C	-20 to 70							
Fiber Count		—	4	6	8	12	16	24	36	48
Cable Diameter		mm	4.6	5.2	6.0	6.5	7.4	8.2	18	22.5
Cable weight		Kg/km	19	23	29	38	53	60	--	--
Tensile Load	Short term	N	600				660	720		
Tensile Load	Long term	N	200				220	240		
Crash Resistance		N/100mm	1000							

Note: 1. D denote outer diameter of the round cable.

2. These specifications are subject to change without prior notification

Optical Fiber Characteristics

Optical characteristics	units	Specified values			
		62.5/125, OM1	50/125, OM2	50/125, OM3	9/125, OS2, G657A2
Core diameter	um	62.5±2.5	50±2.5	50±2.5	N/A
Cladding non-circularity	%	<2	<2	<2	<1
Cladding diameter	um	125.0±1.0	125.0±1.0	125.0±1.0	125.0±1.0
Core/cladding concentricity error	um	<1.5	<1.5	<1.5	<0.6
Coating non-circularity	%	≤6.0	≤6.0	≤6.0	≤6.0
Attenuation	dB/km	≤3.0@850	≤2.5@850	≤2.7@850	≤0.36@1310
		≤1.0@1300	≤0.8@1300	≤0.8@1300	≤0.22@1550
Overfilled modal bandwidth	MHz.k	≥200@850	≥500@850	≥1500@850	N/A
	m	≥600@1300	≥500@1300	≥500@1300	N/A
Zero dispersion wavelength	nm				≥1302, ≤1322
Bending Radius	mm	15	15	15	7.5

Note: 1. Characteristics multi-mode optical fiber according to IEC 60793

2. Characteristics single-mode optical fiber according to ITU-G.652.

Ordering Information

Part No.	Description	Outer Jacket	Jacket color
IB-24F-SMA2	24Core OS2 Singlemode Fiber Cable, G657A2	PVC	Yellow
IB-12F-SMA2	12Core OS2 Singlemode Fiber Cable, G657A2	PVC	Yellow
IB-24F-OM3	24Core OM3 Multimode Fiber Cable	PVC	Aqua
IB-12F-OM3	12Core OM3 Multimode Fiber Cable	PVC	Aqua