

▪ Tight Buffer Fiber Optic Cable



APPLICATION

BENKA tight buffer cable 02-24 cores (up to 96 cores), $\Phi 900\mu\text{m}$ tight buffer fiber, aramid strength, PVC/LSZH jacket meet ANSI/TIA-568-C.3 and ISO/IEC 11801 standard requirements for optical fiber cable performance.

Single mode 9/125 μm OS2, multi-mode 50/125 μm OM2 or 50/125 μm laser optimized OM3 and OM4 fiber.

Indoor application only.



Construction	
Fiber count	02-24 cores (up to 96 cores)
Fiber type	Single mode or multi-mode
Cable type	Multi-fiber distribution cable
Strength member	Aramid yarn
Outer sheath	PVC/LSZH
Sheath color	Yellow (Single mode); Orange (OM2); Aqua (OM3); Magenta (OM4)
Smoke density	IEC 61034-2 (LSZH sheath)
Halogen free	IEC 60754-1 (LSZH sheath)
Rated temperature	-20°C to +70°C
Flame retardant	IEC 60332-1
Standard & Approval	IEC, ITU, EIA, RoHS, SIRIM

Fiber Transmission Performance				
Cable optical fiber	OS2	OM2	OM3	OM4
Wave length (nm)	1310/1550	850/1300	850/1300	850/1300
Bandwidth (MHz)		500/500	1500/500	3500/500
Max attenuation (dB/km)	0.4/0.3	3.5/1.5	3.0/1.5	3.0/1.5

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Technical Data							
Fiber count	Cable dimension (mm)	Tensile strength (N)		Crush resistance (N/100mm)		Minimum bending radius (mm)	
		Short term	Long term	Short term	Long term	Dynamic	Static
2	3.6	660	220	500	500	72	36
4	4.7	660	220	1000	500	94	47
6	5.2	660	220	1000	500	104	52
8	5.8	900	300	1000	500	116	58
12	6.2	900	300	1000	500	124	62
24	8.3	900	300	1000	500	166	83

Description (PVC jacket)	Part No.			
	OS2	OM2	OM3	OM4
2F distribution cable	ATRBOS-2	ATRBOM2-2	ATRBOM3-2	ATRBOM4-2
4F distribution cable	ATRBOS-4	ATRBOM2-4	ATRBOM3-4	ATRBOM4-4
6F distribution cable	ATRBOS-6	ATRBOM2-6	ATRBOM3-6	ATRBOM4-6
8F distribution cable	ATRBOS-8	ATRBOM2-8	ATRBOM3-8	ATRBOM4-8
12F distribution cable	ATRBOS-12	ATRBOM2-12	ATRBOM3-12	ATRBOM4-12
24F distribution cable	ATRBOS-24	ATRBOM2-24	ATRBOM3-24	ATRBOM4-24

Description (LSZH jacket)	Part No.			
	OS2	OM2	OM3	OM4
2F distribution cable	PFJHOS-2	PFJHOM2-2	PFJHOM3-2	PFJHOM4-2
4F distribution cable	PFJHOS-4	PFJHOM2-4	PFJHOM3-4	PFJHOM4-4
6F distribution cable	PFJHOS-6	PFJHOM2-6	PFJHOM3-6	PFJHOM4-6
8F distribution cable	PFJHOS-8	PFJHOM2-8	PFJHOM3-8	PFJHOM4-8
12F distribution cable	PFJHOS-12	PFJHOM2-12	PFJHOM3-12	PFJHOM4-12
24F distribution cable	PFJHOS-24	PFJHOM2-24	PFJHOM3-24	PFJHOM4-24