

■ Fiber Loose Tube Non-armored Cable



APPLICATION

BENKA non-armored loose tube cable 02-72 cores (up to 144 cores), PE/LSZH jacket meet ANSI/TIA-568-C.3 and ISO/IEC 11801 standard requirements for optical fiber cable performance. Single mode 9/125μm OS2, multi-mode 50/125μm OM2 or 50/125μm laser optimized OM3 and OM4 fiber.

Indoor and outdoor applications.



Construction	
Fiber count	02-96 cores (up to 144 cores)
Fiber type	Single mode or multi-mode
Cable type	Indoor/outdoor non-armored loose tube
Water proof	Thixotropic jelly gel-filled
Strength member	Aramid yarn/FRP
Outer sheath	PE/LSZH
Sheath color	Black
Coating color	ANSI/TIA-598
Smoke density	IEC 61034-2 (LSZH sheath)
Halogen free	IEC 60754-1 (LSZH sheath)
Rated temperature	-30°C to +70°C
Flame retardant	IEC 60332-1
Water penetration	IEC 60794-1-2-F5B
Torsion	IEC 60794-1-2-E7
Cable kink	IEC 60794-1-2-E10
Standard & Approval	IEC, ITU, EIA, RoHS

Technical Data						
Fiber count	Cable dimension (mm)	Tensile strength (N)		Crush resistance (N/100mm)	Minimum bending radius (mm)	
		Short term	Long term		Dynamic	Static
2-12	8.2 ± 1.0	1500	600	1000	164	82
16-24	10.1 ± 1.0	1500	600	2000	202	101
36-72	10.1 ± 1.0	1500	600	2000	202	101
96	12.3 ± 1.0	1500	600	2000	246	123

■ Fiber Loose Tube Non-armored Cable



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

Description (PE jacket)	Part No.			
	OS2	OM2	OM3	OM4
2F non-armored loose tube cable	415OS2-2	426OM2-2	453OM3-2	466OM4-2
4F non-armored loose tube cable	415OS2-4	426OM2-4	453OM3-4	466OM4-4
6F non-armored loose tube cable	415OS2-6	426OM2-6	453OM3-6	466OM4-6
8F non-armored loose tube cable	415OS2-8	426OM2-8	453OM3-8	466OM4-8
12F non-armored loose tube cable	415OS2-12	426OM2-12	453OM3-12	466OM4-12
16F non-armored loose tube cable	415OS2-16	426OM2-16	453OM3-16	466OM4-16
24F non-armored loose tube cable	415OS2-24	426OM2-24	453OM3-24	466OM4-24
36F non-armored loose tube cable	415OS2-36	426OM2-36	453OM3-36	466OM4-36
48F non-armored loose tube cable	415OS2-48	426OM2-48	453OM3-48	466OM4-48
72F non-armored loose tube cable	415OS2-72	426OM2-72	453OM3-72	466OM4-72
96F non-armored loose tube cable	415OS2-96	426OM2-96	453OM3-96	466OM4-96

Description (LSZH jacket)	Part No.			
	OS2	OM2	OM3	OM4
2F non-armored loose tube cable	833OS2-2	843OM2-2	885OM3-2	892OM4-2
4F non-armored loose tube cable	833OS2-4	843OM2-4	885OM3-4	892OM4-4
6F non-armored loose tube cable	833OS2-6	843OM2-6	885OM3-6	892OM4-6
8F non-armored loose tube cable	833OS2-8	843OM2-8	885OM3-8	892OM4-8
12F non-armored loose tube cable	833OS2-12	843OM2-12	885OM3-12	892OM4-12
16F non-armored loose tube cable	833OS2-16	843OM2-16	885OM3-16	892OM4-16
24F non-armored loose tube cable	833OS2-24	843OM2-24	885OM3-24	892OM4-24
36F non-armored loose tube cable	833OS2-36	843OM2-36	885OM3-36	892OM4-36
48F non-armored loose tube cable	833OS2-48	843OM2-48	885OM3-48	892OM4-48
72F non-armored loose tube cable	833OS2-72	843OM2-72	885OM3-72	892OM4-72
96F non-armored loose tube cable	833OS2-96	843OM2-96	885OM3-96	892OM4-96