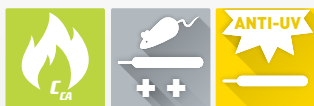
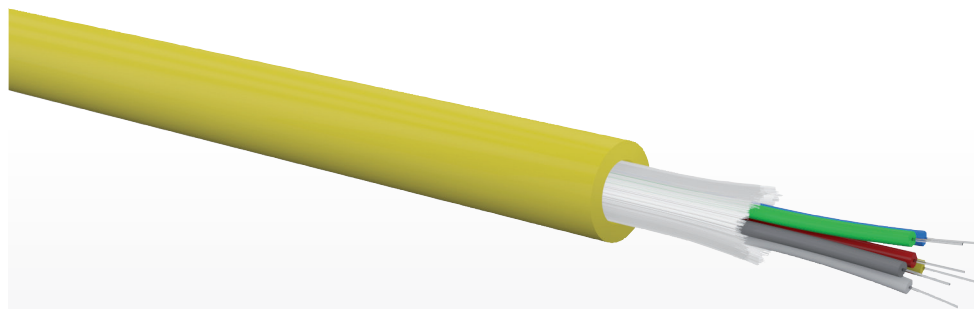


TIGHT BUFFER REINFORCED FIBER OPTIC CABLE



DESCRIPTION

- Easy strip 900 µm optical fiber
- Multimode 50/125 OM2, 50/125 OM3, 50/125 OM4 & singlemode 9/125 OS2
- 4, 6, 8, 12 & 24 fibers
- MMF fibers compliant to ITU-T G651.1 & IEC 60793-2-10 A1
- SMF fibers compliant to ITU-T G652B/G652D & IEC 60793-2-50 B1.3
- OM3 & OM4 fibers integrate bend optimized fiber technology
- Indoor/Outdoor rated cable with enhanced protection against rodents & swelling rope
- Low smoke, Zero Halogen Fire Retardant (LSZH-FR) & UV stable
- EN 13501-6 Fire rating : Cca, s1a, d1, a1
- Fire tested to EN 50575, EN 50399, EN 60332-1-2, EN 61034-2, EN 60754-2
- Compliant to IEC 60794-2-20 cable performance requirements
- IEC 60304 color coded
- Outer jacket color: yellow
- Packing : 2100 m reel



CABLE

PERFORMANCES

		4 FIBERS	6 FIBERS	8 FIBERS	12 FIBERS	24 FIBERS
Temperature	Operating	-30 °C to +70 °C				
	Storage	-40 °C to +70 °C				
	Installation	-5 °C to +50 °C				
Max. pulling force during installation (N)		1500			2500	
Crush resistance (N/dm)		3000				
Min. static bending radius (mm)		60				
Dynamic min bending radius (mm)		90			105	115
Nominal weight (kg/km)		73	75	80	102	120
Nominal diameter (mm)		9			10,5	11,5
Jacket thickness (mm)		1,5				

OPTICAL PERFORMANCES

	OM2 50/125	OM3 50/125	OM4 50/125*	OS2/G652D 9/125
Bandwith @850nm (MHz.km)	≥ 500	≥ 2000**	≥ 4700**	NA
Bandwith @1300nm (MHz.km)	≥ 500	≥ 500	≥ 500	NA
Typ. Attenuation @850nm (dB/km)	≤ 2.7	≤ 2.7	≤ 2.7	NA
Typ. Attenuation @1300nm (dB/km)	≤ 0.8	≤ 0.8	≤ 0.8	NA
Typ. Attenuation @1310nm (dB/km)	NA	NA	NA	≤ 0.36
Typ. Attenuation @1550nm (dB/km)	NA	NA	NA	≤ 0.23
Numerical aperture (μm)	0.2 ± 0.0015	0.2 ± 0.0015	0.2 ± 0.0015	NA
Core Non-Circularity	≤ 6 %	≤ 6 %	≤ 6 %	NA
Mode Field Diameter (1310/1550nm - μm)	NA	NA	NA	8.6-9.5 ± 0.7
Cladding diameter (μm)	125 ± 1.0	125 ± 1.0	125 ± 1.0	125 ± 1.0
Cladding Non-circularity	≤ 1 %	≤ 1 %	≤ 1 %	≤ 1 %
Coating diameter (μm)	245 ± 10	245 ± 10	245 ± 10	245 ± 10
Core/cladding concentricity error (μm)	≤ 1 μm	≤ 1 μm	≤ 1 μm	≤ 0.6 μm
Cut-off wavelength (nm)	NA	NA	NA	≤ 1260
Zero dispersion wavelength (nm)	1295 - 1340	1295 - 1340	1295 - 1340	1300 - 1320
GIR @850nm	1.482	1.483	1.483	NA
GIR @1300nm	1.477	1.479	1.479	NA
GIR @1310nm	NA	NA	NA	1.467
GIR @1550nm	NA	NA	NA	1.468
PMD individual fiber (ps/√km)	NA	NA	NA	0.1
Chromatic dispersion : 1285-1330nm (ps/nm.km)	NA	NA	NA	≤ 2.8
Chromatic dispersion : 1550nm (ps/nm.km)	NA	NA	NA	≤ 18.0

* ON DEMAND / ** EMBC CALCULATION METHOD

PART NUMBERS

	4 FIBERS	6 FIBERS	8 FIBERS	12 FIBERS	24 FIBERS
OM2	GGM F04B50FRST	GGM F06B50FRST	GGM F08B50FRST	GGM F012B50FRST	GGM F024B50FRST
OM3	GGM F04B3FRST	GGM F06B3FRST	GGM F08B3FRST	GGM F012B3FRST	GGM F024B3FRST
OM4	GGM F04B4FRST	GGM F06B4FRST	GGM F08B4FRST	GGM F012B4FRST	GGM F024B4FRST
OS2	GGM F04B9FRST	GGM F06B9FRST	GGM F08B9FRST	GGM F012B9FRST	GGM F024B9FRST