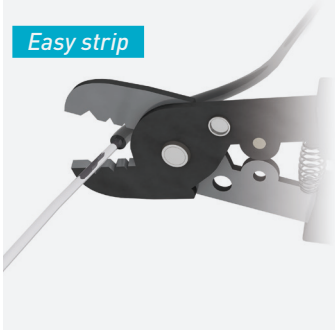
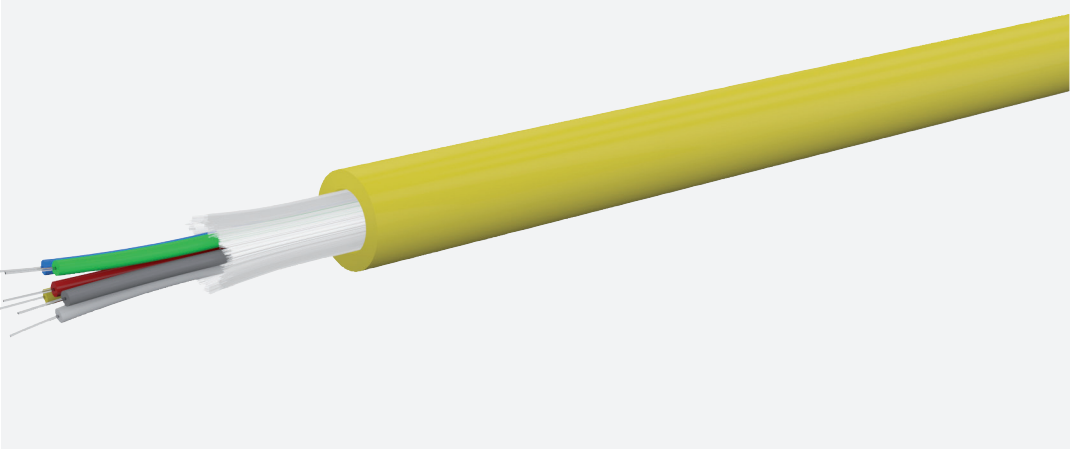
GIGAMEDIA
SMART BUILDING SOLUTIONS

TIGHT BUFFER REINFORCED FIBER OPTIC CABLE





FEATURES

- Easy strip 900 µm optical fiber
- Multimode 50/125 OM2, 50/125 OM3, 50/125 OM4, 50/125 OM5 & 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: orange (OM1/OM2), aqua (OM3), purple (OM4), lime green (OM5) & yellow (OS2)
- Packing: 2100 m reel

MECHANICAL & ENVIRONEMENTAL PROPERTIES

		4 FIBRES	6 FIBRES	8 FIBRES	12 FIBRES	24 FIBRES
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				

	OM2 50/125	OM3 50/125	OM4 50/125*	OM5 50/125	OS2/G652D 9/125
Bandwith @850nm (MHz.km)	⩾ 500	⩾ 2000**	⩾ 4700**	⩾ 4700	NA
Bandwith @1300nm (MHz.km)	⩾ 500	⩾ 500	⩾ 500	⩾ 2470	NA
Typ. attenuation @850nm (dB/km)	⩽ 2.7	⩽ 2.7	⩽ 2.7	⩽ 2.7	NA
Typ. attenuation @1300nm (dB/km)	⩽ 0.8	⩽ 0.8	⩽ 0.8	⩽ 0.8	NA
Typ. attenuation @1310nm (dB/km)	NA	NA	NA	NA	⩽ 0.36
Typ. Attenuation @1550nm (dB/km)	NA	NA	NA	NA	⩽ 0.23
Numerical aperture (µm)	0.2 ±0.0015	0.2 ±0.0015	0.2 ±0.0015	0.2 ±0.015	NA
Core non-circularity	⩽ 6 %	⩽ 6 %	⩽ 6 %	⩽ 5 %	NA
Mode field diameter (1310/1550nm - µm)	NA	NA	NA	NA	8.6-9.5 ± 0.7
Cladding diameter (µm)	125 ± 1.0	125 ± 1.0	125 ± 1.0	125 ± 1.0	125 ± 1.0
Cladding non-circularity	⩽ 1 %	⩽ 1 %	⩽ 1 %	⩽ 1 %	⩽ 1 %
Coating diameter (µm)	245 ± 10	245 ± 10	245 ± 10	255 ± 10	245 ± 10
Core/cladding concentricity error (µm)	⩽ 1 µm	⩽ 1 µm	⩽ 1 µm	⩽ 1.5 µm	⩽ 0.6 µm
Cut-off wavelength (nm)	NA	NA	NA	NA	⩽ 1260
Zero dispersion wavelength (nm)	1295 - 1340	1295 - 1340	1295 - 1340	1295 - 1340	1300 - 1320
GIR @850nm	1.482	1.483	1.483	1.482	NA
GIR @1300nm	1.477	1.479	1.479	1.477	NA
GIR @1310nm	NA	NA	NA	NA	1.467
GIR @1550nm	NA	NA	NA	NA	1.468
PMD individual fiber (ps/√km)	NA	NA	NA	NA	0.1
Chromatic dispersion: 1285-1330nm (ps/nm.km)	NA	NA	NA	NA	⩽ 2.8
Chromatic dispersion: 1550nm (ps/nm.km)	NA	NA	NA	NA	⩽ 18.0

** On demand / ** EMBC calculation method*

PART NUMBERS

	4 FIBRES	6 FIBRES	8 FIBRES	12 FIBRES	24 FIBRES
OM2	**GGM FO4B50FRST**	**GGM FO6B50FRST**	**GGM FO8B50FRST**	**GGM FO12B50FRST**	**GGM FO24B50FRST**
OM3	**GGM FO4B3FRST**	**GGM FO6B3FRST**	**GGM FO8B3FRST**	**GGM FO12B3FRST**	**GGM FO24B3FRST**
OM4	**GGM FO4B4FRST**	**GGM FO6B4FRST**	**GGM FO8B4FRST**	**GGM FO12B4FRST**	**GGM FO24B4FRST**
OM5	**GGM FO4B5FRST**	**GGM FO6B5FRST**	**GGM FO8B5FRST**	**GGM FO12B5FRST**	**GGM FO24B5FRST**
OS2	**GGM FO4B9FRST**	**GGM FO6B9FRST**	**GGM FO8B9FRST**	**GGM FO12B9FRST**	**GGM FO24B9FRST**