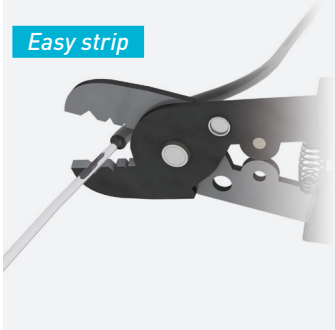
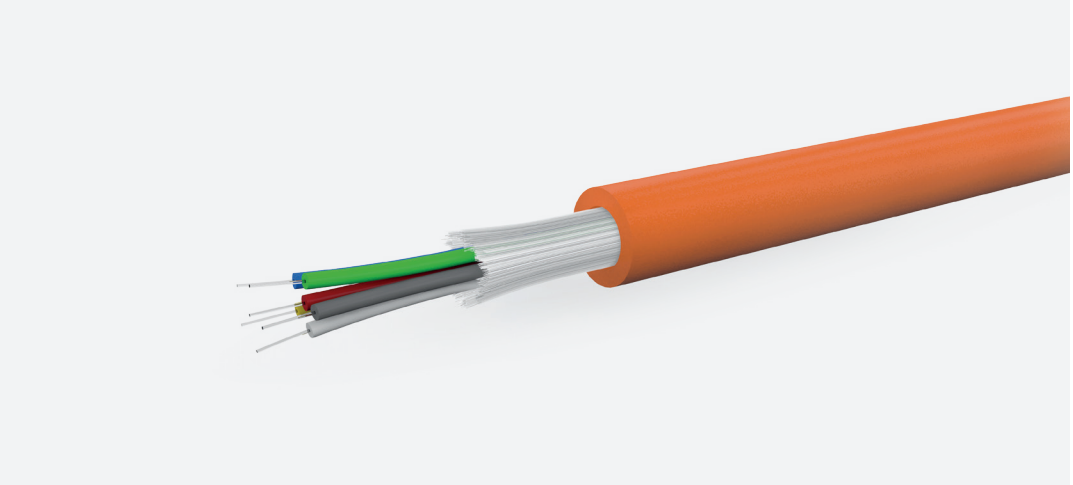
GIGAMEDIA
SMART BUILDING SOLUTIONS

TIGHT BUFFER FIBRE OPTIC CABLE





DESCRIPTION

- Easy strip 900 µm optical fibre
- Multimode 62.5/125 OM1, 50/125 OM2, 50/125 OM3, 50/125 OM4 & singlemode 9/125 OS2
- 4, 6, 8, 12 & 24 fibres, IEC 60304 colour coded
- MMF fibres compliant to ITU-T G651.1 & IEC 60793-2-10 A1
- SMF fibres compliant to ITU-T G652B/G652D & IEC 60793-2-50 B1.3
- OM3 & OM4 fibres integrate bend optimized fiber technology
- Indoor/Outdoor rated cable with water-blocking glass yarns and protection against rodents
- Easy strip fibres
- Low smoke, Zero Halogen Fire Retardant (LSZH-FR) & UV stable
- EN 13501-6 Fire rating: Dca-s1, d1, a2
- 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
- Outer jacket color: orange (OM1/OM2), aqua (OM3), purple (OM4), lime green (OM5) & yellow (OS2)
- Packing: 2100 m reel

CABLE PERFORMANCES

		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)		500		800		1600
Crush resistance (N/dm)				2000		
Min. static bending radius (mm)		58	66	75		98
Dynamic min bending radius (mm)		116	132	150		196
Nominal weight (kg/km)		35	39	44	49	89
Nominal diameter (mm)		5,8	6,6	7,5		9,8

OPTICAL
PERFORMANCES

	OM1 62,5/125	OM2 50/125	OM3 50/125	OM4 50/125*	OS2/G652D 9/125
Bandwith @850nm (MHz.km)	⩾ 200	⩾ 500	⩾ 2000**	⩾ 4700**	NA
Bandwith @1300nm (MHz.km)	⩾ 500	⩾ 500	⩾ 500	⩾ 500	NA
Typ. attenuation @850nm (dB/km)	⩽ 3.2	⩽ 2.7	⩽ 2.7	⩽ 2.7	NA
Typ. attenuation @1300nm (dB/km)	⩽ 0.6	⩽ 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)	0.275 ±0.015	0.2 ±0.0015	0.2 ±0.0015	0.2 ±0.0015	NA
Core non-circularity	⩽ 5%	⩽ 6 %	⩽ 6 %	⩽ 6 %	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	245 ± 10	245 ± 10
Core/cladding concentricity error (µm)	⩽ 1,5 µm	⩽ 1 µm	⩽ 1 µm	⩽ 1 µm	⩽ 0.6 µm
Cut-off wavelength (nm)	NA	NA	NA	NA	⩽ 1260
Zero dispersion wavelength (nm)		1295 - 1340	1295 - 1340	1295 - 1340	1300 - 1320
GIR @850nm	1.496	1,482	1,483	1,483	NA
GIR @1300nm	1.491	1.477	1.479	1.479	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
OM1	GGM FO4B62ST	GGM FO6B62ST	GGM FO8B62ST	GGM FO12B62ST	GGM FO24B62ST
OM2	GGM FO4B50ST	GGM FO6B50ST	GGM FO8B50ST	GGM FO12B50ST	GGM FO24B50ST
OM3	GGM FO4BOM3ST	GGM FO6BOM3ST	GGM FO8BOM3ST	GGM FO12BOM3ST	GGM FO24BOM3ST
OM4	GGM FO4BOM4ST	GGM FO6BOM4ST	GGM FO8BOM4ST	GGM FO12BOM4ST	GGM FO24BOM4ST
OS2	GGM FO4B9ST	GGM FO6B9ST	GGM FO8B9ST	GGM FO12B9ST	GGM FO24B9ST