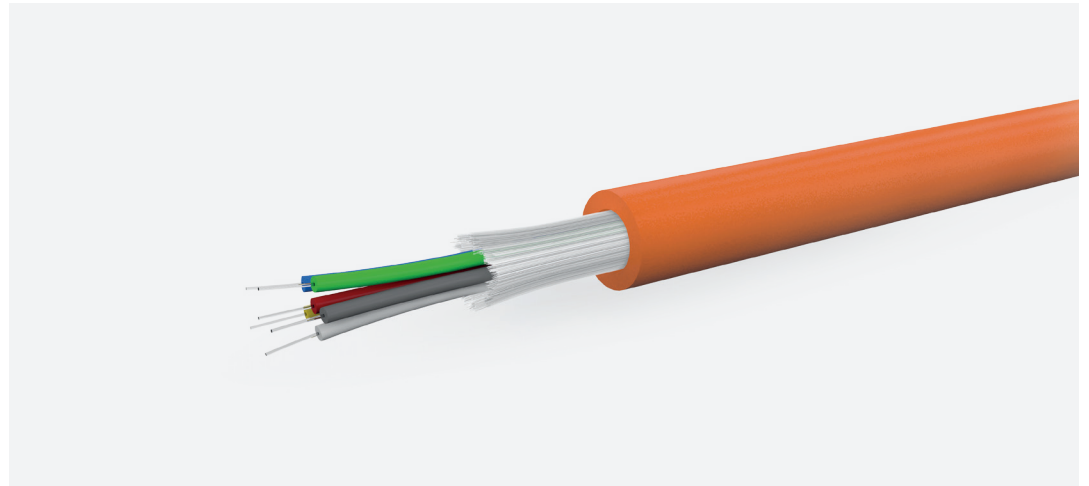
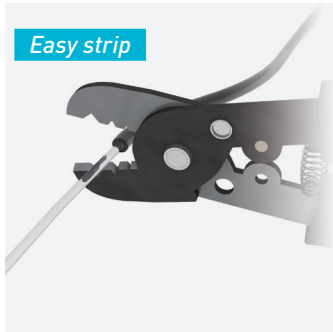




TIGHT BUFFER FIBRE OPTIC CABLE



FIBRE COLOUR CODE

ACCORDING IEC 60304

1 Red	13 Red*
2 Green	14 Green*
3 Blue	15 Blue*
4 Yellow	16 Yellow*
5 White	17 White*
6 Grey	18 Grey*
7 Brown	19 Brown*
8 Purple	20 Purple*
9 Aqua	21 Aqua*
10 Black	22 Natural*
11 Orange	23 Orange*
12 Pink	24 Pink*

* with black rings

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

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

	4 FIBRES	6 FIBRES	8 FIBRES	12 FIBRES	24 FIBRES
OM1	GGM F04B62ST	GGM F06B62ST	GGM F08B62ST	GGM F012B62ST	GGM F024B62ST
OM2	GGM F04B50ST	GGM F06B50ST	GGM F08B50ST	GGM F012B50ST	GGM F024B50ST
OM3	GGM F04B0M3ST	GGM F06B0M3ST	GGM F08B0M3ST	GGM F012B0M3ST	GGM F024B0M3ST
OM4	GGM F04B0M4ST	GGM F06B0M4ST	GGM F08B0M4ST	GGM F012B0M4ST	GGM F024B0M4ST
OS2	GGM F04B9ST	GGM F06B9ST	GGM F08B9ST	GGM F012B9ST	GGM F024B9ST



ACCESSORIES

P/N	DESCRIPTION
GGM MA037067	Miller®'s MB02 all purpose cable splitter kit with 4 modular tool trays and a fts tube scorer, for GIGAMEDIA cables