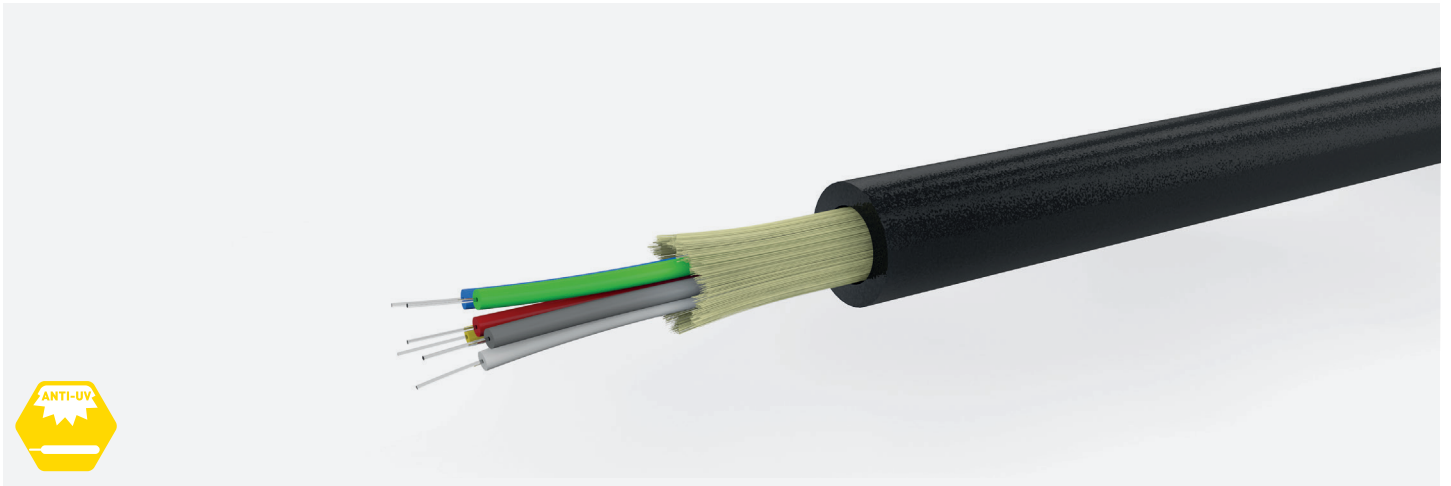




TIGHT BUFFER FIBRE OPTIC CABLE PUR OUTER JACKET



FIBRE COLOUR CODE

ACCORDING IEC 60304

1 Red	7 Brown
2 Green	8 Purple
3 Blue	9 Aqua
4 Yellow	10 Black
5 White	11 Orange
6 Grey	12 Pink

FEATURES

- ▶ 900 µm tight buffer optical fibres
- ▶ Multimode 50/125 OM3 or singlemode 9/125 OS2
- ▶ 4 or 12 fibers (IEC 60304 colour coded) ; other densities on request
- ▶ 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 fibres integrate bend optimized fiber technology
- ▶ Indoor/Outdoor rated cable with aramid yarns
- ▶ PUR TPE-U polyurethane outer jacket
- ▶ Low smoke, Zero Halogen outer jacket (LSZH), UV stable, compliant with IEC 60754-1
- ▶ High resistance to oil, petrol, acid and leach
- ▶ Compliant to IEC 60794-2-20 cable performance requirements
- ▶ Black outer jacket colour
- ▶ Packing: 2100 m reel

CABLE PERFORMANCES

		4 FIBRES	12 FIBRES
		Temperature	
	Operating	-40 °C to +85 °C	
	Storage	-40 °C to +85 °C	
	Installation	-25 °C to +50 °C	
Max. pulling force during installation (N)		2500	
Crush resistance (N/dm)		6000	
Min. static bending radius (mm)		10 x O.D.	
Dynamic min bending radius (mm)		15 x O.D.	
Nominal weight (kg/km)		32	46
Nominal diameter (mm)		6	7.8
Jacket thickness (mm)		1.7	

OPTICAL PERFORMANCES	OM3 50/125	OS2/G652D 9/125
Bandwith @850nm (MHz.km)	≥ 2000**	NA
Bandwith @1300nm (MHz.km)	≥ 500	NA
Typ. attenuation @850nm (dB/km)	≤ 2.3	NA
Typ. attenuation @1300nm (dB/km)	≤ 0.6	NA
Typ. attenuation @1310nm (dB/km)	NA	≤ 0.32
Typ. attenuation @1550nm (dB/km)	NA	≤ 0.18
Numerical aperture (μm)	0.2 ± 0.015	NA
Core non-circularity	≤ 5 %	NA
Mode field diameter (1310/1550nm - μm)	NA	9.2 ± 0.4 - 10.4 ± 0.5
Cladding diameter (μm)	125 ± 1.0	125 ± 0.7
Cladding non-circularity	≤ 1 %	≤ 0.7 %
Coating diameter (μm)	245 ± 10	242 ± 10
Core/cladding concentricity error (μm)	≤ 1 μm	≤ 0.5 μm
Cut-off wavelength (nm)	NA	≤ 1260
Zero dispersion wavelength (nm)	1295 - 1340	1304 - 1324
GIR @850nm	1.483	NA
GIR @1300nm	1.478	NA
GIR @1310nm	NA	1.467
GIR @1550nm	NA	1.468
PMD individual fiber (ps/√km)	NA	≤ 0.1
Chromatic dispersion: 1285-1330nm (ps/nm.km)	NA	≤ 3.0
Chromatic dispersion: 1550nm (ps/nm.km)	NA	18.0

PART NUMBERS

	4 FIBRES	12 FIBRES
OM3	GGM F04B3PUST	GGM F012B3PUST
OS2	GGM F04B9PUST	GGM F012B9PUST



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