



Dca CENTRAL LOOSE TUBE FIBRE OPTIC CABLE

GGM FOxxBxDLST



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

FEATURES

- ▶ Central loose tube 250 µm optical fibre
- ▶ Multimode 62.5/125 OM1, 50/125 OM2, 50/125 OM3, 50/125 OM4, 50/125 OM5 or singlemode 9/125 OS2
- ▶ MMF fibres 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 fibres integrate bend optimized fiber technology
- ▶ Indoor/Outdoor rated cable with water blocking E-glass yarns protection
- ▶ Low smoke, Zero Halogen Fire Retardant (LSZH-FR) & UV stable
- ▶ EN 13501-6 fire rating: Dca-s2, d1, a1
- ▶ Fire tested to EN 50575, EN 50399, EN 60332-1-2, EN 61034-2, EN 60754-2
- ▶ Compliant to IEC 60794-1 cable performance requirements
- ▶ IEC 60304 colour coded
- ▶ Outer jacket color: orange [OM1/OM2], aqua [OM3], purple [OM4], lime green [OM5] & yellow [OS2]
- ▶ Packing: 2100 m reel or on cut

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



CABLE PERFORMANCES		4 FIBRES	6 FIBRES	8 FIBRES	12 FIBRES	24 FIBRES
Temperature	Operating	-20 °C to +70 °C				
	Storage	-25 °C to +70 °C				
	Installation	-10 °C to +50 °C				
Max. pulling force during installation (N)		1050 N (4/12FO) // 1200 N (24FO)				
Crush resistance (N/dm)		1500				
Min. static bending radius (mm)		90				97.5
Dynamic min bending radius (mm)		120				130
Nominal weight (kg/km)		46				49
Nominal diameter (mm)		6				6.5
Jacket thickness (mm)		0.9				

OPTICAL PERFORMANCES	OM1 62.5/125	OM2 50/125	OM3 50/125	OM4 50/125	OM5 50/125	OS2/G652D 9/125
Bandwith @850nm (MHz.km)	≥ 250	≥ 500	≥ 2000**	≥ 4700**	≥ 3500	NA
Bandwith @1300nm (MHz.km)	≥ 500	≥ 500	≥ 500	≥ 500	≥ 500	NA
Typ. attenuation @850nm (dB/km)	≤ 2.7	≤ 2.5	≤ 2.3	≤ 2.3	2.5	NA
Typ. attenuation @1300nm (dB/km)	≤ 0.7	≤ 0.7	≤ 0.6	≤ 0.6	0.7	NA
Typ. attenuation @1310nm (dB/km)	NA	NA	NA	NA	NA	≤ 0.32
Typ. attenuation @1550nm (dB/km)	NA	NA	NA	NA	NA	≤ 0.18
Numerical aperture (μm)	0.2 ± 0.015	0.2 ± 0.015	0.2 ± 0.015	0.2 ± 0.015	0.2 ± 0.015	NA
Core non-circularity	≤ 5 %	≤ 5 %	≤ 5 %	≤ 5 %	≤ 5 %	NA
Mode field diameter (1310/1550nm - μm)	NA	NA	NA	NA	NA	9.2 ± 0.4 - 10.4 ± 0.5
Cladding diameter (μm)	125 ± 1.0	125 ± 1.0	125 ± 1.0	125 ± 1.0	125 ± 1.0	125 ± 0.7
Cladding non-circularity	≤ 1 %	≤ 1 %	≤ 1 %	≤ 1 %	≤ 1 %	≤ 0.7 %
Coating diameter (μm)	242 ± 7	242 ± 7	245 ± 10	245 ± 10	242 ± 7	242 ± 10
Core/cladding concentricity error (μm)	≤ 1 μm	≤ 1.5 μm	≤ 1 μm	≤ 1 μm	≤ 1 μm	≤ 0.5 μm
Cut-off wavelength (nm)	NA	NA	NA	NA	NA	≤ 1260
Zero dispersion wavelength (nm)	1320 - 1365	1295 - 1340	1295 - 1340	1295 - 1340	1295 - 1340	1304 - 1324
GIR @850nm	1.497	1.483	1.483	1.483	1.483	NA
GIR @1300nm	1.493	1.478	1.478	1.479	1.478	NA
GIR @1310nm	NA	NA	NA	NA	NA	1.467
GIR @1550nm	NA	NA	NA	NA	NA	1.468
PMD individual fiber (ps/√km)	NA	NA	NA	NA	NA	≤ 0.1
Chromatic dispersion: 1285-1330nm (ps/nm.km)	NA	NA	NA	NA	NA	≤ 3.0
Chromatic dispersion: 1550nm (ps/nm.km)	NA	NA	NA	NA	NA	18.0

* EMBC calculation method

	4 FIBRES	6 FIBRES	8 FIBRES	12 FIBRES	24 FIBRES
 OM1	GGM F04B62DLST*	GGM F06B62DLST	GGM F08B62DLST*	GGM F012B62DLST	GGM F024B62DLST
 OM2	GGM F04B50DLST*	GGM F06B50DLST	GGM F08B50DLST*	GGM F012B50DLST	GGM F024B50DLST*
 OM3	GGM F04B3DLST	GGM F06B3DLST	GGM F08B3DLST	GGM F012B3DLST	GGM F024B3DLST
 OM4	GGM F04B4DLST	GGM F06B4DLST	GGM F08B4DLST	GGM F012B4DLST	GGM F024B4DLST
 OM5	GGM F04B5DLST *	GGM F06B5DLST*	GGM F08B5DLST*	GGM F012B5DLST*	GGM F024B5DLST*
 OS2	GGM F04B9DLST	GGM F06B9DLST	GGM F08B9DLST	GGM F012B9DLST	GGM F024B9DLST

*Minimum order 2100 m