

TIGHT BUFFER WATER BLOCKED FIBER OPTIC CABLE

FEATURES

- Tight buffer 900µm optical fiber
- Multimode 62.5/125 OM1 & singlemode 9/125 G657.A2
- 2, 4, 8, 12 & 24 fibers
- Indoor / Outdoor, aramid yarns
- Halogen free outer sheath, UV stabilised (LSZH, standard conditions)
- Flame retardant (IEC 60332-1) & Fire retardant (IEC 60332-3)
- Water-blocking: swellable tread
- IEC 60794-2-20 compliant with mechanical and environment performances
- Colour: green

CABLE PERFORMANCES

	2 FIBERS	4 FIBERS	8 FIBERS	12 FIBERS	24 FIBERS
Temperature	Operating				
	Storage				
	Installation				
Maximum pulling force (N)	325	440	680	900	1400
Crush resistance (N/100mm)	2000				
Min. bending radius (mm)	50				60
Fire compliant	IEC 60332-1 / IEC 60332-3				
Nominal weight (kg/km)	21	26	35	45	65
Nominal diameter (mm)	4,5	5	6	6,5	8

OPTICAL PERFORMANCES

	OM1
Attenuation @ 850/1300 nm (dB/km)	$\leq 3.2 / \leq 1.0$
Band width @ 850/1300 nm (MHz/km)	$\geq 200 / \geq 600$
Refractive index @ 850 nm	1.496
Refractive index @ 1300 nm	1.491

	G657.A2
Attenuation @ 1310/1550 nm (dB/km)	$\leq 0.38 / \leq 0.23$
Band width @ 1310/1550 nm (MHz/km)	$\geq 10\ 000$
Refractive index @ 1310 nm	1.467
Refractive index @ 1550 nm	1.468

G657 PROPERTIES

Cladding diameter (μm)	125 +/-0.7
Core (MDF) - cladding concentricity error (μm)	≤ 0.5
Primary coating diameter (μm)	242 +/-7
Strip force (peak) (N)	$1.2 \leq F_{\text{peak strip}} \leq 8.9$
Chromatic dispersion coefficient (ps/km.nm)	
In the interval 1285/1330nm	≤ 3.7
At 1550nm	≤ 18.5
At 1625nm	≤ 23
Cut-off wavelength (λ_{cc} nm)	≤ 1260
Mode field diameter at 1310nm (μm)	8.8 +/-0.4
Mode field diameter at 1550nm (μm)	9.8 +/-0.5
Macro bending loss (dB)	
10 turns on a mandrel R=15mm @1550nm	≤ 0.03
1 turn on a mandrel R=7,5mm @1550nm	≤ 0.5
Polarisation mode dispersion (PMD) coefficient, cabled ps/√km	≤ 0.1

PART NUMBERS

P/N	DESCRIPTION			
GGM F02B62ARL	2 FO	OM1 62.5/125 μm	TB water blocked indoor / outdoor	LSZH
GGM F04B62ARL	4 FO	OM1 62.5/125 μm	TB water blocked indoor / outdoor	LSZH
GGM F08B62ARL	8 FO	OM1 62.5/125 μm	TB water blocked indoor / outdoor	LSZH
GGM F012B62ARL	12 FO	OM1 62.5/125 μm	TB water blocked indoor / outdoor	LSZH
GGM F024B62ARL	24 FO	OM1 62.5/125 μm	TB water blocked indoor / outdoor	LSZH
GGM F02BG6ARL	2 FO	G657 9/125 μm	TB water blocked indoor / outdoor	LSZH
GGM F04BG6ARL	4 FO	G657 9/125 μm	TB water blocked indoor / outdoor	LSZH
GGM F08BG6ARL	8 FO	G657 9/125 μm	TB water blocked indoor / outdoor	LSZH
GGM F012BG6ARL	12 FO	G657 9/125 μm	TB water blocked indoor / outdoor	LSZH
GGM F024BG6ARL	24 FO	G657 9/125 μm	TB water blocked indoor / outdoor	LSZH

YOUR POINT OF CONTACT