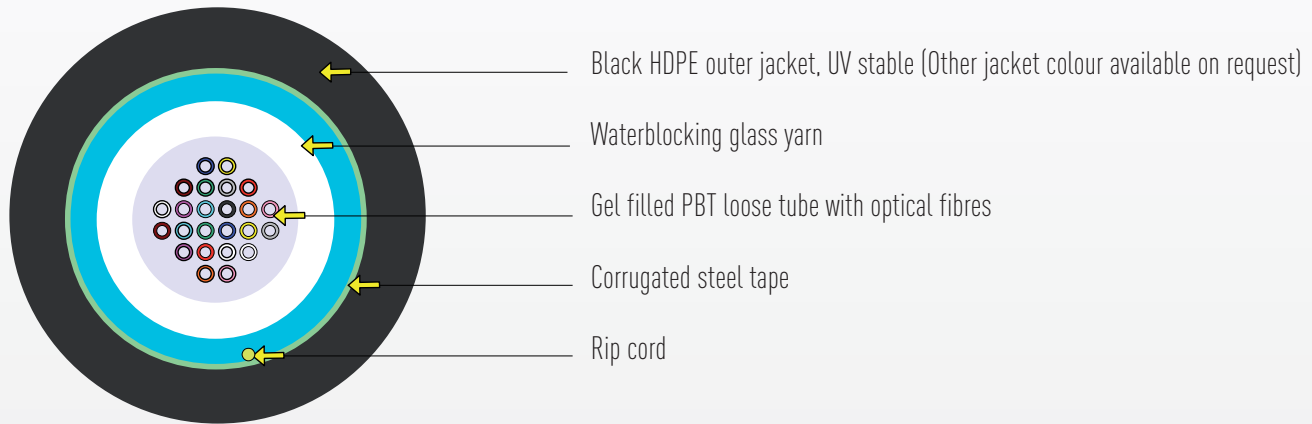


### OUTDOOR CENTRAL LOOSE TUBE WITH CST REINFORCEMENT

Gigamedia Outdoor steel reinforced cables are ideal for Outdoor installation, with a high level of protection against rodents. They are suitable for direct burial or installation outside inside ducts. The black HDPE sheath also offers UV stability properties



#### FEATURES

- Multimode 62.5/125 OM1, 50/125 OM2, 50/125 OM3, 50/125 OM4 or singlemode 9/125 OS2
- 4, 6, 8, 12 & 24 fibers
- OM3 & OM4 modes integrates bend optimized fiber technology
- Easy slitting
- Compliant with mechanical and environmental performances



#### MECHANICAL & ENVIRONMENTAL PROPERTIES

Test	Test	Test method
Tensile strength	1100N	IEC 60794-1-2 / E1A
Crush resistance	6000N/dm	IEC 60794-1-2 / E3
Impact resistance	3 impacts (w/25N.m)	IEC 60794-1-2 / E4
Min. bending radius	15 x O.D.	IEC 60794-1-2 / E11A
Min. bending radius (load)	20 x O.D.	IEC 60794-1-2 / E11B
Moisture resistance	Pass	IEC 60794-1-2 / F5
Installation Temp.	-15°C to +50°C	IEC 60794-1-2 / F1
Operation Temp.	-20°C to +60°C	IEC 60794-1-2 / F1
Storage Temp.	-30°C to +70°C	IEC 60794-1-2 / F1

Physical properties	
Weight	70 kg/km
Overall diameter	7.7 +/- 0.4 mm
Sheath thickness	1.2 +/- 0.2 mm
Central tube O.D.	3.0 mm
Standard put up	2100 m (Plywood drum)

**COLOR CODE:**  
according IEC 60304

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

13 Red/Black	19 Brown/Black
14 Green/Black	20 Violet/Black
15 Blue/Black	21 Aqua/Black
16 Yellow/Black	22 Transparent/Black
17 White/Black	23 Orange/Black
18 Grey/Black	24 Pink/Black

Optical Properties	OM1 62,5/125	OM2 50/125	OM3 50/125	OM4 50/125*	OS2/G652D 9/125
Bandwidth @850nm (MHz.km)	≥220	≥500	≥2000**	≥4700**	NA
Bandwidth @1300nm (MHz.km)	≥600	≥500	≥500	≥500	NA
Typ. Attenuation @850nm (dB/km)	2.6 / 3.0	2.4 / 3.5	2.0 / 3.0	2.0 / 3.0	NA
Typ. Attenuation @1300nm (dB/km)	0.5 / 1.0	0.7 / 1.5	0.5 / 1.0	0.5 / 1.0	NA
Typ. Attenuation @1310nm (dB/km)	NA	NA	NA	NA	0.31 / 0.36
Typ. Attenuation @1550nm (dB/km)	NA	NA	NA	NA	0.20 / 0.24
Numerical aperture (μm)	0.275 ±0.0015	0.200 ±0.0015	0.200 ±0.0015	0.200 ±0.0015	NA
Core Non-Circularity	≤ 5%	≤ 5%	≤ 5%	≤ 5%	NA
Mode Field Diameter (1310/1550nm - μm)	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 ± 0.7
Cladding Non-circularity	≤ 1%	≤ 1%	≤ 1%	≤ 1%	≤ 1%
Coating diameter (μm)	245 ± 10	245 ± 10	245 ± 10	245 ± 10	235.0 - 245.0
Coating Non-circularity	≤ 5%	≤ 5%	≤ 5%	≤ 5%	NA
Core/cladding concentricity error (μm)	≤ 1.0μm	≤ 1.5μm	≤ 1.5μm	≤ 1.5μm	≤ 12.0μm
Cut-off wavelength (nm)	NA	NA	NA	NA	< 1260
Zero dispersion wavelength (nm)	1320 - 1365	1295 - 1340	1295 - 1340	1295 - 1340	1302 - 1322
GIR @850nm	1.496	1.483	1.483	1.483	NA
GIR @1300nm	1.491	1.479	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 : 1235-1330nm (ps/nm.km)	NA	NA	NA	NA	≤ 3.5
Chromatic dispersion : 1550nm (ps/nm.km)	NA	NA	NA	NA	≤ 18.0

\* On demand / \*\* EMBc calculation method

P/N	DESCRIPTION
<b>GGM F06B62CST</b>	6 Fibers OM1 62,5/125 central Loose tube steel reinforced, HDPE sheath
<b>GGM F012B62CST</b>	12 Fibers OM1 62,5/125 central Loose tube steel reinforced, HDPE sheath
<b>GGM F024B62CST</b>	24 Fibers OM1 62,5/125 central Loose tube steel reinforced, HDPE sheath
<b>GGM F06B50CST</b>	6 Fibers OM2 50/125 central Loose tube steel reinforced, HDPE sheath
<b>GGM F08B50CST</b>	8 Fibers OM2 50/125 central Loose tube steel reinforced, HDPE sheath
<b>GGM F012B50CST</b>	12 Fibers OM2 50/125 central Loose tube steel reinforced, HDPE sheath
<b>GGM F024B50CST</b>	24 Fibers OM2 50/125 central Loose tube steel reinforced, HDPE sheath
<b>GGM F04B3CST</b>	4 Fibers OM3 50/125 central Loose tube steel reinforced, HDPE sheath
<b>GGM F06B3CST</b>	6 Fibers OM3 50/125 central Loose tube steel reinforced, HDPE sheath
<b>GGM F08B3CST</b>	8 Fibers OM3 50/125 central Loose tube steel reinforced, HDPE sheath
<b>GGM F012B3CST</b>	12 Fibers OM3 50/125 central Loose tube steel reinforced, HDPE sheath
<b>GGM F024B3CST</b>	24 Fibers OM3 50/125 central Loose tube steel reinforced, HDPE sheath
<b>GGM F06B4CST</b>	6 Fibers OM4 50/125 central Loose tube steel reinforced, HDPE sheath
<b>GGM F012B4CST</b>	12 Fibers OM4 50/125 central Loose tube steel reinforced, HDPE sheath
<b>GGM F024B4CST</b>	24 Fibers OM4 50/125 central Loose tube steel reinforced, HDPE sheath
<b>GGM F06B9CST</b>	6 Fibers OS2 9/125 central Loose tube steel reinforced, HDPE sheath
<b>GGM F012B9CST</b>	12 Fibers OS2 9/125 central Loose tube steel reinforced, HDPE sheath
<b>GGM F024B9CST</b>	24 Fibers OS2 9/125 central Loose tube steel reinforced, HDPE sheath

\* Other categories of fibers and densities available on request