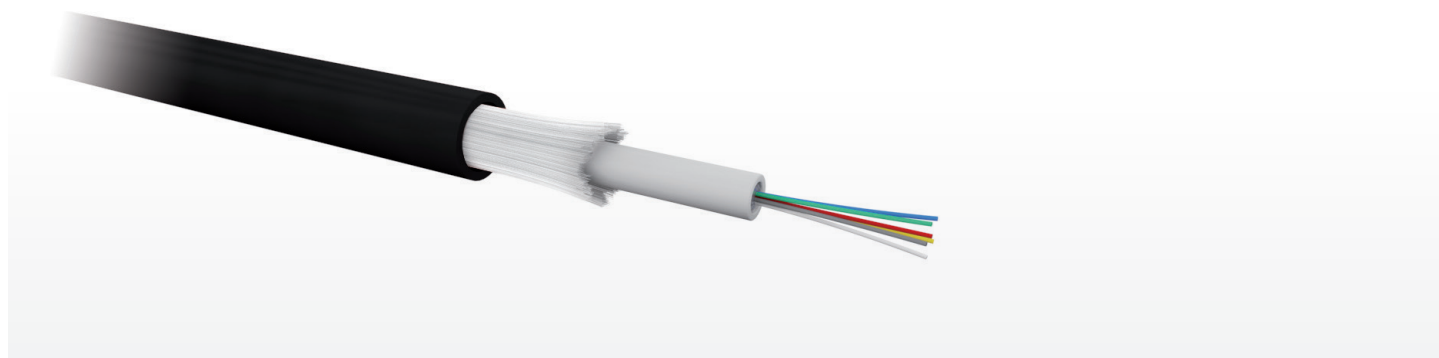


PE OUTDOOR CENTRAL LOOSE TUBE CABLE



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
- Outdoor
- OM3 & OM4 modes integrates bend optimized fiber technology
- Water blocking E-glass yarns protection
- PE outer jacket, UV stabilized
- Compliant with mechanical and environmental performances
- Black color
- IEC 60304 fiber color code
- Standard put up length: 2100 m

FIBRE COLOUR CODE :

(according IEC 60304)

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

13 Red*	17 Violet*	21 Brown*
14 Bleu*	18 White*	22 Black*
15 Green*	19 Orange*	23 Turquoise*
16 Yellow*	20 Grey*	24 Pink*

* with black rings.

CABLE

PERFORMANCES

		STANDARD
Maximum tensile strength (N)	1 100 N	IEC 60794-1-21 / E1A
Ecrasement	2 000 N/dm	IEC 60794-1-21 / E3
Crush resistance (N)	3 impacts (w/25N.m)	IEC 60794-1-21 / E4
Minimum bending radius (mm)	15 x O.D.	IEC 60794-1-21 / E11A
Dynamic bending radius (mm)	20 x O.D.	IEC 60794-1-21 / E11B
Résistance à l'humidité	OK	IEC 60794-1-21 / F5
Temperature (installation)	-5 °C to +40 °C	IEC 60794-1-22 / F1
Temperature (operation)	-20 °C to +70 °C	IEC 60794-1-22 / F1
Temperature (storage)	-30 °C to +70 °C	IEC 60794-1-22 / F1

PHYSICAL PROPERTIES	4 FIBRES	6 FIBRES	8 FIBRES	12 FIBRES	24 FIBRES
Weight	25 kg/km				31 kg/km
Outer diameter	5.4 ± 0.5 mm				5.8 ± 0.5 mm

OPTICAL PERFORMANCES

OPTICAL PROPERTIES	OM1 62,5/125	OM2 50/125	OM3 50/125	OM4 50/125	OS2/G652D 9/125
Bandwith @850nm (MHz.km)	≥ 220	≥ 500	≥ 2000*	≥ 4700*	NA
Bandwith @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)	≤ 1.0 µm	≤ 1.5 µm	≤ 1.5 µm	≤ 1.5 µm	≤ 12.0 µm
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

PART NUMBER

	4 FIBERS	6 FIBERS	8 FIBERS	12 FIBERS	24 FIBERS
OM1	GGM F04B62PEST	GGM F06B62PEST	GGM F08B62PEST	GGM F012B62PEST	GGM F024B62PEST
OM2	GGM F04B50PEST	GGM F06B50PEST	GGM F08B50PEST	GGM F012B50PEST	GGM F024B50PEST
OM3	GGM F04B3PEST	GGM F06B3PEST	GGM F08B3PEST	GGM F012B3PEST	GGM F024B3PEST
OM4	GGM F04B4PEST	GGM F06B4PEST	GGM F08B4PEST	GGM F012B4PEST	GGM F024B4PEST
OS2	GGM F04B9PEST	GGM F06B9PEST	GGM F08B9PEST	GGM F012B9PEST	GGM F024B9PEST