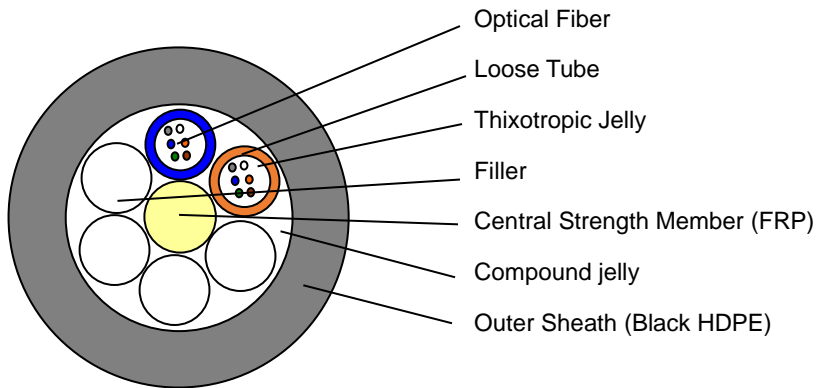


### 12-Fiber Loose Tube MM OM4



#### Optical fiber characteristics:

Category	Description		Specifications
			OM4
Optical Specifications	Attenuation	@ 850nm	≤3.5dB/km
		@ 1300nm	≤1.5dB/km
	Overfilled Modal Bandwidth	@ 850nm	≥3500MHz·km
		@ 1300nm	≥500MHz·km
	Effective Modal Bandwidth	@ 850nm	≥4700/MHz·km
	Numerical aperture		0.200±0.015
	Zero Dispersion Wavelength(λ0)		1295-1340 nm
	Group Index of Refraction	@ 850nm	1.482
@ 1300nm		1.477	
Geometric Specifications	Core diameter		50±2.5μm
	Core non-circularity		≤5.0%
	Cladding Diameter		125±1.0μm
	Cladding non-circularity		≤0.6%
	Coating Diameter		245±7μm
	Coating/Cladding Concentricity Error		≤10.0μm

	Coating non-circularity	≤6.0%
	Core/Cladding Concentricity Error	≤1.0μm
Mechanical Specifications	Proof Test level	≥1.0%
	Peak Coating Strip Force	1.3~8.9N

Structure		Unit	Parameter
Fiber count		fibers	12
Element		--	6
Central Strength Member	Material	--	FRP
Loose Tube	Material	--	PBT
	--	--	6 Fiber per Tube
Outer Sheath	Material	--	Black HDPE
	Thickness	mm	Nom.1.6
Outer Diameter (nominal)		mm	Ø 10.1
Weight (Approx.)		kg/km	87

\* The nominal diameter may have a tolerance with ±0.4mm.

#### Mechanical characteristics:

Tensile strength	Long term	N	600
	Short term	N	1500
Crush Resistance	Long term	N	300
	Short term	N	1000
Bending Radius	Dynamic	--	≥20×Cable Diameter
	Static	--	≥10×Cable Diameter
Operating Temperature		°C	-40 --- +60

#### Color coding of the optical fiber:

No. of fiber	1	2	3	4	5	6
Color of fiber	Blue	Orange	Green	Brown	Grey	White

#### Identification of optical tube:

No. of tube	1	2	3	4	5	6
Color of tube	Blue	Orange	Green	Brown	Grey	White

#### Make-up of cable. # of Fibers in each Tube:

No. of Fibers	No. of Tube	1	2	3	4	5	6
12	2	Blue	Orange	F	F	F	F
		6	6				

Note: "F" means the filler.

#### Ordering Information:

Part Number	Description
NEW-9467012	12-Fiber Loose Tube MM OM4