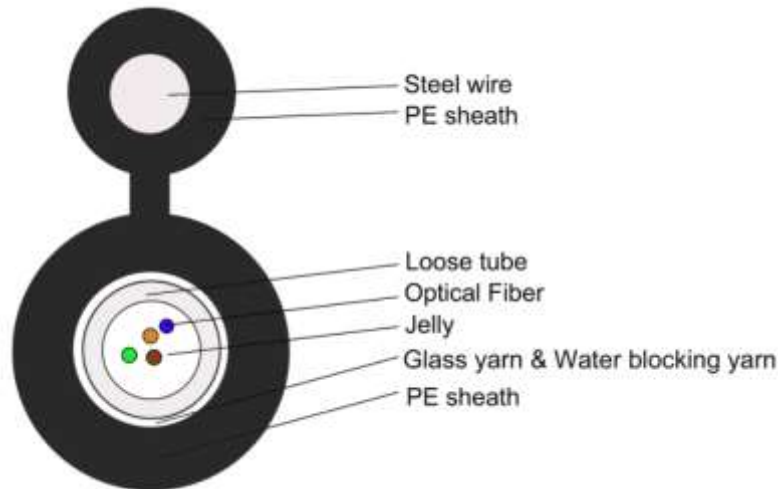


FIBER OPTICS WITH MESSENGER 12/24 THREADS

1. CROSS SECTION



2. CABLE PARAMETERS

Item		12 FO	24 FC
Fiber type		G652D	G652D
Fiber count		12	24
Structure		Single tube figure 8	Single tube figure 8
Loose tube	Material	PBT	PBT
	Outer diameter	2.0±0.05 mm	2.0±0.05 mm
	Thickness	≥0.3 mm	≥0.3 mm
	Filler	Jelly	Jelly
	Fiber count/tube	12	24
	Number	1	1
Strength member	Material	Glass yarn	Glass yarn
Water resistance	Material	Water blocking yarn	Water blocking yarn
Out sheath	Material	UV-Proof, black, PE	UV-Proof, black, PE
	Thickness	≥1.7 mm	≥1.7 mm
Messenger		Steel wire	Steel wire
Cable outer diameter		5.4*9.2±0.3 mm	5.4*9.2±0.3 mm
Cable weight		42±2kg/km	42±2kg/km

Note:

No	1	2	3	4	5	6	7	8	9	10	11	12
Fiber color	blue	orange	green	brown	gray	white	red	black	yellow	purple	pink	aqua
Tube color	blue	orange	green	brown	gray	white	red	black	yellow	purple	pink	aqua

3. FIBER CHARACTERISTICS G652D

Description	Specifications	
Attenuation	@ 1310 nm	< 0.35 dB/KM
	@ 1550 nm	< 0.22 dB/KM
Cladding Diameter	125±0.7 μm	
Cladding Non-Circularity	< 0.8 %	
Mode Field Diameter	@ 1310 nm	9.2±0.4 μm
Cable Cutoff Wavelength(λ _{cc})	< 1260 nm	
Attenuation vs. Wavelength	≤ 0.05 dB/km	
Zero Dispersion Wavelength (nm)	1300nm-1324nm	
Zero Dispersion Slope	≤0.092 ps/nm ² .km	