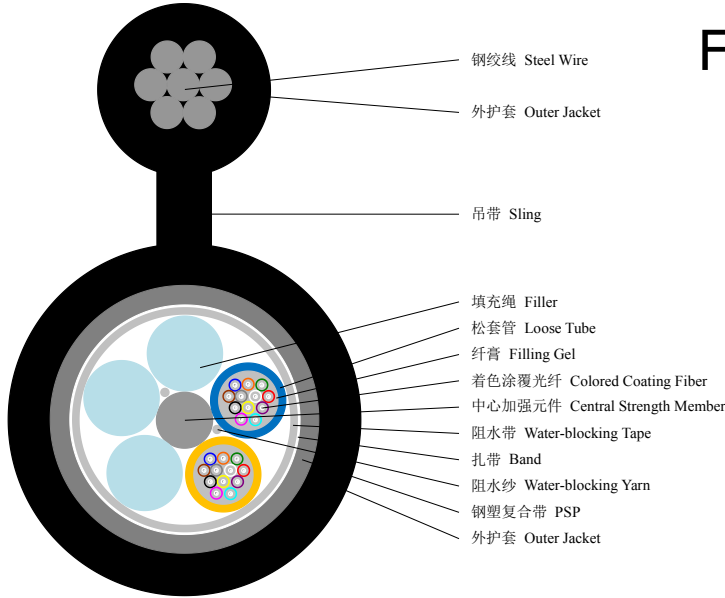


FIGURE 8 12F 100 MTS SPAN



Items		Unit	Specifications (G.652D)
Mode Field Diameter	1310nm	um	9.2 ± 0.4
	1550nm	um	10.4 ± 0.5
Cladding Diameter		um	124.8 ± 0.7
Cladding Non-Circularity		%	≤1.0
Core-Cladding Concentricity Error		um	≤0.6
Coating Diameter		um	245 ± 5
Coating Non-Circularity		%	≤6.0
Cladding-Coating Concentricity Error		um	≤12.0
Cable Cutoff Wavelength		nm	$\lambda_{cc} \leq 1260$
Attenuation (max)	1310nm	dB/km	≤0.36
	1550nm		≤0.25

Items		Unit	Specifications (OM3-300)
Core diameter		um	50.0 ± 2.5
Cladding Diameter		um	125 ± 1.0
Core non-circularity		%	≤5.0
Cladding Non-Circularity		%	≤1.0
Core-Cladding Concentricity Error		um	≤1.5
Coating Diameter		um	245 ± 5
Coating Non-Circularity		%	≤6.0
Cladding-Coating Concentricity Error		um	≤12.0
OFL Bandwidth	850nm	MHz-km	≥2000
	1300nm		≥500
Effective Modal Bandwidth	850nm	MHz-km	≥1500
	1300nm		≥500
Attenuation Coefficient	850nm	dB/km	≤3.5
	1300nm		≤1.5

Items		Specifications
Fibers		12
Colored Coating Fiber	Dimensions	250um ± 15um
Loose tube	Dimensions	1,95mm ± 0.05mm
	Material	PBT
	Color	Blue, Orange
Filler	Dimensions	1,95mm ± 0.05mm
	Material	PP
	Color	Natural, Natural, Natural
Central Strength Member	Material	Steel
	Diameter	1.5mm
Strength Member	Dimensions	2.1mm (7*0.7mm)
	Material	Steel
Outer Jacket	Dimensions	4.1mm ± 0.2mm / 10.0mm ± 0.5mm
	Material	PE
	Color	Black

Mechanical and Environmental Characteristics	
Items	Specifications
Tension in Long term (N) - Working	600
Tension in Short term (N) - Installation	1500
Crush Resistance (N/10cm)	300
Span (M)	1000
Min. Bend Radius Dynamic (mm)	20D
Min. Bend Radius Static (mm)	10D
Installation Temperature (C)	-20 ~ +60
Operating Temperature (C)	-40 ~ +70