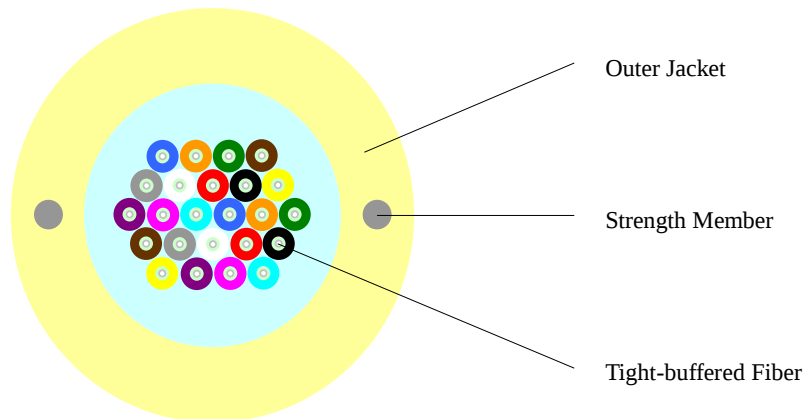


48-fiber Distribution Cable

Profile View



Fiber Parameters

No.	Items		Unit	Specification
				G.657A1
1	Mode Field Diameter	1310nm	μm	9.0±0.4
		1550nm	μm	10.1±0.5
2	Cladding Diameter		μm	124.8±0.7
3	Cladding Non-Circularity		%	≤0.7
4	Core-Cladding Concentricity Error		μm	≤0.5
5	Coating Diameter		μm	245±5
6	Coating Non-Circularity		%	≤6.0
7	Cladding-Coating Concentricity Error		μm	≤12.0
8	Cable Cutoff Wavelength		nm	$\lambda_{cc} \leq 1260$
9	Attenuation(max.)	1310nm	dB/km	≤0.4
		1550nm	dB/km	≤0.3
10	Macro-Bending Loss	1 turn×10mm radius @1550nm	dB	≤0.75
		1 turn×10mm radius @1625nm	dB	≤1.5

Cable Parameters

Items		Specifications
Fiber Count		24
Tight-buffered Fiber	Dimension	850±50μm
	Material	LSZH
	Color	Blue、Orange、Green、Brown、 Grey、White、Red、Black、 Yellow、Purple、Pink、Aqua (Wish One Color Point of One Group Tight-buffered Fiber Inside)
Strength Member	Dimension	1.0mm
	Material	FRP
Outer Jacket	Dimension	14.5±0.5mm
	Material	LSZH
	Color	Ivory

15-3-2021

Mechanical and Environmental Characteristics

Items	Unite	Specifications
Tension (Long Term)	N	200
Tension (Short Term)	N	500
Crush (Long Term)	N/10cm	300
Crush (Short Term)	N/10cm	1000
Min. Bend Radius (Dynamic)	mm	15D
Min. Bend Radius (Static)	mm	10D
Installation Temperature	°C	-10~+50
Operating Temperature	°C	-20~+60
Storage Temperature	°C	-20~+60