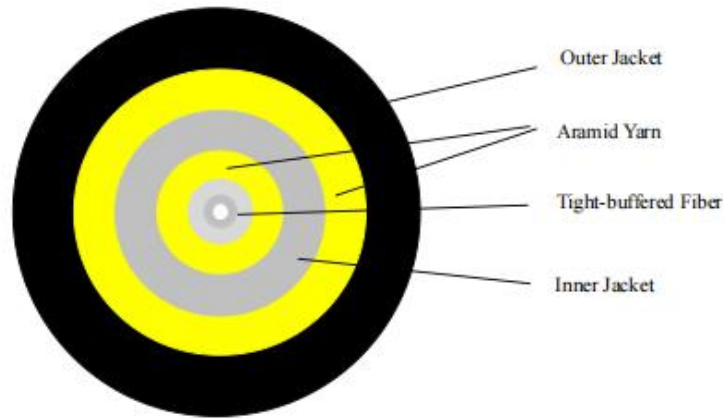


Indoor/Outdoor Tight Buffer Fiber Optic Drop Cable 4.8mm 1 Core
SM G657A1 Aramid Yarn Double Jacket LSZH



Technical data

No. of cable		1
Fiber Model		G.6557A1/G.6557A2
Strength Member	Material	Aramid yarn
Tight buffer	Material	LSZH
	Color	White
	Thickness (±0.03) mm	0.32
	Diameter (±0.05) mm	0.9
Inner Sheath	Material	LSZH
	Color	Ivory
	Thickness (±0.05) mm	0.45
	Diameter (±0.1) mm	2.9
Outer Sheath	Material	LSZH
	Color	Black
	Thickness (±0.1) mm	0.5
Cable Diameter (±0.1) mm		4.5
Cable Weight (±2) kg/km		20
Min. bending radius	Without Tension	15× Cable- φ
	Under Maximum Tension	30× Cable- φ
Temperature range (°C)	Installation	-20~+60
	Transport&Storage	-30~+70
	Operation	-20~+60

Application:

NO.	Item		Requirement
1	Allowable Tensile Strength	Short Term	800N
		Long Term	200 N
2	Allowable Crush Resistance	Short Term	500(/100mm)
		Long Term	150 (/100mm)

Fiber Parameters

No.	Items	Unit	Specification	Specification	Specification	
			G.652D	G.657A1	G.657A2	
1	Mode Field Diameter	1310nm	μm	9.1±0.4	8.8±0.4	8.8±0.4
		1550nm	μm	10.4±0.5	9.8±0.5	9.8±0.5
2	Cladding Diameter	μm	125±1	125±0.7	125±0.7	
3	Cladding Non-Circularity	%	≤1	≤0.7	≤0.7	
4	Core-Cladding Concentricity Error	μm	≤0.6	≤0.5	≤0.5	
5	Coating Diameter	μm	245±7	245±5	245±5	
6	Coating Non-Circularity	%	≤6.0	≤6.0	≤6.0	
7	Cladding-Coating Concentricity Error	μm	≤12.0	≤12.0	≤12.0	
8	Cable Cutoff Wavelength	nm	$\lambda_{cc} \leq 1260$	$\lambda_{cc} \leq 1260$	$\lambda_{cc} \leq 1260$	
9	Attenuation (max.)	1310nm	dB/km	≤0.34	≤0.35	≤0.35
		1550nm	dB/km	≤0.2	≤0.21	≤0.21
10	Macro-Bending Loss	1turn×10mm radius @1550nm	dB	/	≤0.75	≤0.1
		1turn×10mm radius @1625nm	dB	/	≤1.5	≤0.2
		1turn×7.5mm radius @1550nm	dB	/	/	≤0.2
		1turn×7.5mm radius @1625nm	dB	/	/	≤0.5