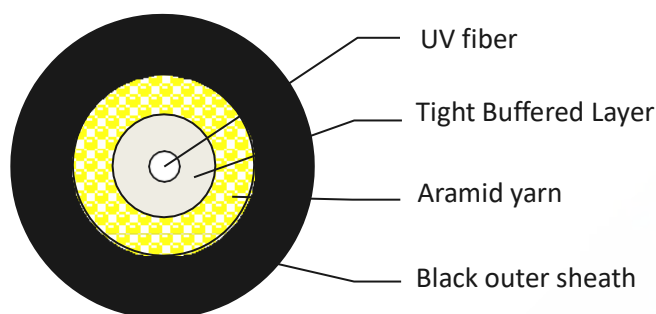


# Drop Cable 1FO - duct

## Cable Design

*Drop Cable-Aramid yarn Reinforcing-Dielectric-Tight Buffered G.657A1 Fiber*



## Cable Specification

Item	Material	Description
outer sheath	Black TPU	Nominal thickness: 0.65mm
Aramid yarn	Aramid yarn	Strength member
Tight buffered layer	white LSZH	Diameter: 0.9mm
Fiber	Silicon-based fiber (G.657A1)	UV fiber colored with: Nature
Cable O.D.		3.0±0. 1mm
Cable weight		8.5±1kg/km

## Main Mechanical and Environmental Characteristic

Item	Specified Value	Acceptance Criteria
1	Tensile Load	500N
2	Crush	500N/10cm
3	Temperature	-25°C~+60°C
4	Application	Indoor & outdoor

# Drop Cable 1FO - duct

## Cabled Fiber Performance (G.657A1)

Characteristics		Acceptance Value
Attenuation	@1310nm	≤0.35dB/km
	@1383nm	≤0.34dB/km
	@1550nm	≤0.21dB/km
	@1625nm	≤0.23dB/km
Mode Field Diameter	@1310nm	8.8±0.4 μm
Dispersion	@1300 +30/-15nm	≤3.5ps/(nm·km)
	@1550nm	≤18ps/(nm·km)
	@1625nm	≤22ps/(nm·km)
Zero-Dispersion Wavelength		1300nm~1324nm
Zero-Dispersion Slope		≤0.092ps/(nm <sup>2</sup> ·km)
Cable Cutoff Wavelength $\lambda_{cc}$ (nm)		≤1260nm
Cladding Diameter		125±0.7μm
Macrobend loss	15mm radius, 10 turn, @1550	≤0.25dB
	15mm radius, 10 turn, @1625	≤1.0dB
	10mm radius, 1 turn, @1550	≤0.75dB
	10mm radius, 1 turn, @1625	≤1.5dB
Cladding Non-circularity		≤0.7%
Core/Cladding Concentricity Error		≤0.5μm
Proof Test		≥0.69GPa (100kpsi)
Dynamic Fatigue		≥20

## Sheath Marking, Delivery Length

The outer sheath is marked in 1-meter intervals as follows:

**In Accordance with Custom's Requirement**

Standard delivery length will be 500 or 2000 m.