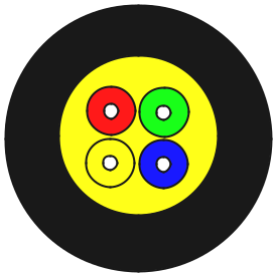
ADSS Drop Cable 1-4 FO

Cable Design

FIBER TYPE: G.657A1; FIBER COUNTS: 1~4

The cable is designed for use in Fiber-To-The-Home (FTTH) application. It is to be installed indoor (within the building), through access, such as trunking, conduit and riser to the nearest access point of the customer or to be installed at the riser (vertical).



- **Tight buffered fiber:** LSZH material with a diameter of 0.9mm.
- **Reinforcement member:** Aramid yarns.
- **Outer sheath:** Black LSZH.

Cable Specification

Fiber Cores		1	2	4
Tight buffered layer		0.9mm		
Nominal Cable Diameter	mm	3	4	5
Cable weight	kg/km	7.5	10.5	13
Tensile Max	N	400		
Crush Max	N/cm	500		

Main Mechanical and Environmental Characteristic

Item	Specified Value	Acceptance Criteria
1	Tensile Load	400N
2	Crush	500N/10cm
3	Temperature	-25℃~+60℃
4	Application	Indoor & outdoor

Fiber Color

Color Identification of Fiber

No	1	2	3	4
Color	Red	Green	Yellow	Blue

Cabled Fiber Performance (G.657.A1)

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^2·km)
Cable Cutoff Wavelength λ_{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 1meter intervals as follows:

In Accordance with Custom's Requirement

Standard delivery length will be 2 km. -1%/+3% tolerance