

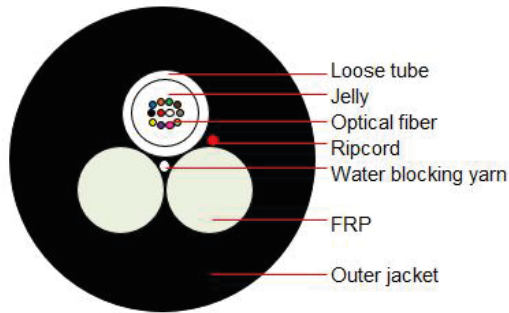
TECHNICAL DATA SHEET

FOR

OPTICAL FIBER CABLE

ADSS(ASU)-80M

1. Cable cross-section



2. Cable Specification

2.1 Introduction

Single loose tube construction, jelly compound filled, water blocking yarn, a ripcord and then PE outer sheath with two non-metallic strength members combined.

2.2 Fiber color code

Fiber color in each tube starts from No. 1 Blue

No.	1	2	3	4	5	6
Color	Blue	Orange	Green	Brown	Gray	White
No.	7	8	9	10	11	12
Color	Red	Black	Yellow	Violet	Pink	Aqua

2.3 Color codes for loose tube

1
Nature

2.4 Cable structure and parameter

SN	Item	Unit	Value
1	No. of fibers	count	6-12
2	Nominal cable diameter	mm	6.6
3	Nominal cable weight	kg/km	51
4	Short term tension	N	1300
5	Short term crush	N/100mm	1000

3. Characteristic of Optical Cable

3.1 Min. bending radius

Static: 15 x cable diameter

Dynamic: 20 x cable diameter

3.2 Application temperature range

Operation: - 20°C ~ +65°C

Installation: -10°C ~ +60°C

Storage/transportation: - 20°C ~ +65°C

3.3 Main mechanical & environmental performance test

Item	Test Method	Acceptance Condition
Tensile Strength IEC 60794-1-2-E1	- Load: Short term tension - Length of cable: ≥ 50m - Load time: 1min	- Loss change 0.1dB@1550nm after test. - No fiber break and no sheath damage.
Crush Test IEC 60794-1-2-E3	- Load: Short term crush - Load time: 1min	- Loss change 0.1dB@1550nm after test. - No fiber break and no sheath damage.

4. Characteristic of Optical Fiber

Item	Contents	Value
G.652D Optical characteristics		
Attenuation	@1310nm	≤0.35dB/km
	@1550nm	≤0.22dB/km
Dispersion	@1288nm~1339nm	≤3.5ps/(nm·km)
	@1550nm	≤18ps/(nm·km)
Zero-Dispersion wavelength		1300nm~1324nm
Zero-Dispersion slope		≤0.092ps/(nm ² ·km)
Mode field diameter (MFD)	@1310nm	9.2±0.4μm
	@1550nm	10.4±0.5μm
Cable cutoff wavelength λ _{cc} (nm)		≤1260nm
Micro bending Attenuation	@1550nm (100turns;Φ60mm)	≤0.05dB
Link polarization dispersion (PMD _Q)		≤0.1ps/km ^{1/2}