HYUNDAI

ADSS 4 Core Outdoor Optical Cable
HYU-CAB-ADSS4CST001

USER MANUAL

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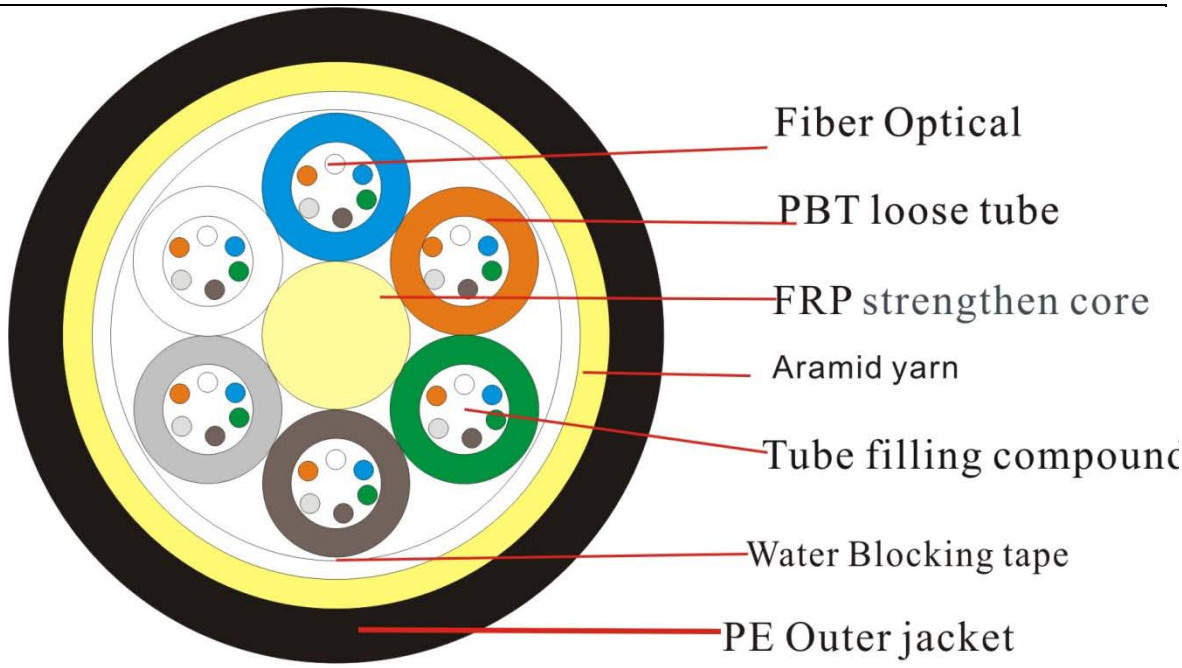
Product structure diagram



Construction

1. Colored fiber
   Coated outside diameter：125.0±0.1um
   Optical fiber diameter：242±7um
   UV color fiber: Standard chromatogram
   -Blue,Orange,Green,Brown,Gray/Slate,White,Red,Black,Yellow,Violet,Rose/Pink,Aqua
2. Tube filling compound(Gel)
3. PBT loose tube
4. FRP Central strength member
5. Aramid yarn
5. Water Blocking tape
6. Black PE out jacket Outside diameter： 9.7±0. 3mm

Parameters of fiber

Performance		
Span (m)	100	
Storage and operating temperature	－40℃－＋70℃	
Min. Bending Radius	30D(Dynamic)	15D(Static)

Parameters of fiber

Fiber style		Unit	SM G652	SM G652D
Condition		nm	1310/1550	1310/1550
Attenuation		dB/km	0.36/0.23	0.36/0.23
Dispersion	1550nm	Ps/(nm*km)	---	≤18
	1625nm	Ps/(nm*km)	---	≤22
Bandwidth	850nm	MHZ ·.km	----	-----
	1300nm	MHZ ·.km	---	-----
Zero dispersion wavelength		nm	1300-1324	⩾1302 ,≤1322
Zero dispersion slope		nm	≤0.092	≤0.091

PMD Maximum Individual Fiber			≤0.2	≤0.2
PMD Design Link Value		Ps/(nm2*km)	≤0.12	≤0.08
Fiber cutoff wavelength λc		nm	⩾1180 ,≤1330	⩾1180 ,≤1330
Cable cutoff wavelength λcc		nm	≤1260	≤1260
Mode field diameter(MFD)	1310nm	um	9.2±0.4	9.2±0.4
	1550nm	um	10.4±0.8	10.4±0.8

Appearance and packaging

1. No damage on the surface; no trachoma.
2. Wooden tray packaging; wood whole seal packaging
3. Segment length: no less than 1000M. The segment length of each tray of the same batch shall be similar as much as possible. Other lengths can be agreed upon through consultation.
4. Report certificate: It includes optical cable inspection number, optical cable type, core number, optical fiber type, length, etc

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For Inquiries, Please Contact:

Security Shop
Vladimira Popovica 6/6/A606
11070 Novi Beograd, Serbia
Tell +381 11 318 68 68
office@securityshop.rs

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