

# OUTDOOR CABLE/SSJH

Aerial Hybrid Cable (Fiber and Copper)

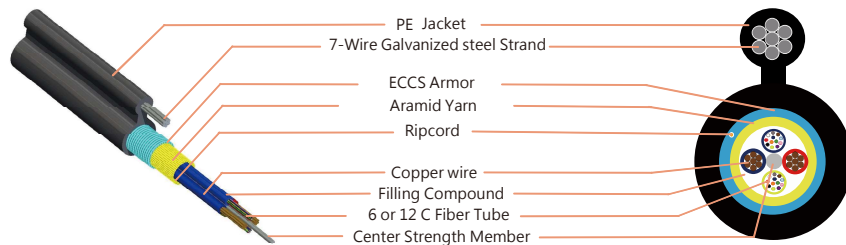
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# OUTDOOR CABLE/SSJH

Product Information

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## Construction



## Description

SSJH is loose tubes with Fig-8 self support sheath cable. Each tube contains 6 or 12 fibers inside, after SZ stranding 1~2 loose tubes and 1~3 of copper wires with Center Strength Member, outside of it added aramid yarn, then overwrapping by corrugated electrolytic chrome-coated steel (ECCS) tape and PE outer sheath. It has filled compounded oil in-outside of tubes. The maximum of fiber count is 24.

## Application

- Local Area Network and Computer network System
- Fiber ring cabling
- Long haul trunking
- CATV
- Long span aerial cabling

## Specification

Fiber count	6 ~ 24
Fiber per Tube	6 or 12
C.S.M. Material	Steel Wire Coating PE
Loose Tube	Filling compound
Sheath	Black PE
Cable Dia.(Approx.) mm	13.2x20.5
Cable weight(Approx.) kg/km	285
Max.Tensile Strength	2700 N
Min.Bend Radius	Loaded: 20 Times of Cable Dia.
	Unloaded: 10 Times of Cable Dia.

## Features and Benefits

- Fiber could move freely inside filling compound tube
- CATV good efficiency solution
- Save copper wire cabling cost
- Excellent optical, mechanical and environmental characteristics
- Color coded loose tube makes easier to identify and install
- Comply with EIA, IEC and Telcordia Standards

## Color code

Fiber	1	2	3	4	5	6	7	8	9	10	11	12
	Blue	Orange	Green	Blown	Slate	White	Red	Black	Yellow	Violet	Rose	Aqua

Copper wire	1	2
	Blue	Red

\* Color arrangement would be changed to meet customers' request.

## Fiber Specification

Fiber Attenuation	Singlemode	1310nm ≤ 0.4 dB/km	PMD	at 1550nm < 0.2 ps/km <sup>1/2</sup>	
		1550nm ≤ 0.3 dB/km		Mode-Field Diameter (SM) G.652D	1310nm: 9.0 ~ 9.4μm, ± 0.4μm
Multimode		850nm ≤ 3.5 dB/km	G.657A	1550nm: 10.0 ~ 10.7μm ± 0.7μm	
		1300nm ≤ 1.0 dB/km		1310 nm: 8.6 ~ 9.4 μm, ± 0.4 μm	
Bandwidth(MM)	OM2-50/125	850nm ≥ 500 MHz-km	Multimode Core	50	50 μm ± 3 μm
		1300nm ≥ 500 MHz-km		62.5	62.5 μm ± 3 μm
OM3-50/125		850nm ≥ 1500 MHz-km	Cladding Diameter	125 μm ± 1 μm	
		1300nm ≥ 500 MHz-km	Coating Diameer	250 μm ± 15 μm(染色後)	
62.5/125		850nm ≥ 200 MHz-km			
		1300nm ≥ 500 MHz-km			

## Mechanical Specification (added attenuation: dB)

Tensile and Bending Test	TIA/EIA-455-33	Singlemode ≤ 0.2 ; Multimode ≤ 0.3
Crush Resistance	TIA/EIA-455-41	Singlemode ≤ 0.2 ; Multimode ≤ 0.3
Cyclic Flexing	TIA/EIA-455-104	Singlemode ≤ 0.2 ; Multimode ≤ 0.3
Impact Resistance	TIA/EIA-455-25	Singlemode ≤ 0.2 ; Multimode ≤ 0.3
Cable Twist	TIA/EIA-455-85	Singlemode ≤ 0.2 ; Multimode ≤ 0.3

\* Compliant with Telcordia GR-20-Core and EIA/TIA standard

## Environmental Condition

Temperature Range	Storage	-40°C to +70°C
	Operating	-30°C to +70°C
	Installation	-30°C to +70°C

## Ordering Information

Cable Type	SSJH
Fiber Count	6~24
Fiber Type	Singlemode: G.652D, G.657 Multimode: OM1, OM2 or OM3
Fiber Bundle	6 or 12
Jacket Type	PE Jacket



UFO COMMUNICATION

+886 2 26570589

www.ufoc.com.tw csr@ufoc.com.tw