

OUTDOOR CABLE/SSI5

Aramid Yarn Self-Supporting Loose Tube Type

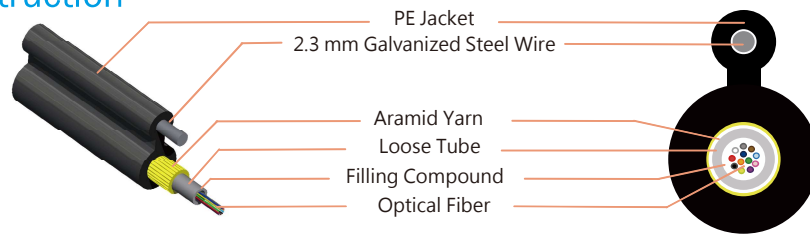
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OUTDOOR CABLE/SSI5

Product Information

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Construction



Description

The SSI5 cable is a loose tube cable structure. The core of SSI5 is a bundle of 6 or 12 fibers held together. This cable consists of an extruded plastic loose tube which containing filling compound. The SSI5 cable is covered with a layer of aramid yarn as strength members to wrap the loose tube.

Application

- Local area networks
- Outside plant distribution system
- Suitable for duct FTTH drop installation
- Short span aerial installation
- CATV, CCTV, telecommunication
- Wall-mount installation

Specification

Fiber Count	6 or 12	
Strength Member	Aramid Yarn	
Inside Loose Tube	Filling Compound	
Loose Tube Diameter (approx)	3.1 mm	
Sheath	Black PE	
Cable Diameter (approx)	8.5 x 13.5 mm	
Cable Weight (approx)	95 kg/km	
Maximum Tensile Strength	1500 N	
Min. Bend Radius	Loaded:	20 times of cable diameter
	Unloaded:	10 times of cable diameter

Features and Benefits

- Uni-central core tube design
- Easy mid-span entry
- Cost-effective solution for CATV
- Excellent optical, mechanical and environmental characteristics
- Small size and light weight compared to other self-supporting system designs
- Compliant with EIA, IEC and Telcordia standards

Color Code

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

* Color arrangement would be changed to meet customers' requests.

Fiber Specification

Fiber Attenuation	Singlemode	1310nm ≤ 0.4 dB/km	PMD	1550nm < 0.2 ps/km ^{1/2}
		1550nm ≤ 0.3 dB/km		Mode-Field Diameter (SM)
Multimode		850nm ≤ 3.5 dB/km		1550nm: 10.0 ~ 10.7μm ± 0.7μm
		1300nm ≤ 1.0 dB/km	Multimode Core	50 50 μm ± 3 μm
Bandwidth(MM)	OM2-50/125	850nm ≥ 500 MHz-km	62.5	62.5 μm ± 3 μm
		1300nm ≥ 500 MHz-km	Cladding Diameter	125 μm ± 1 μm
	OM3-50/125	850nm ≥ 1500 MHz-km	Coating Diameter	250 μm ± 15 μm (colored)
		1300nm ≥ 500 MHz-km		
	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	SSI5
Fiber Count	6 or 12
Fiber Type	Singlemode: G.652D Multimode: OM1, OM2 or OM3
Fiber Bundle	6 or 12
Jacket Type	PE Jacket



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