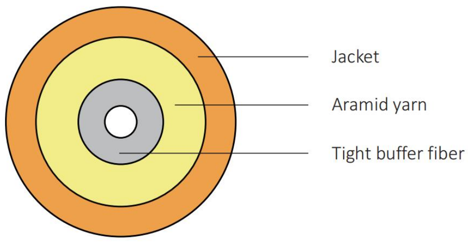
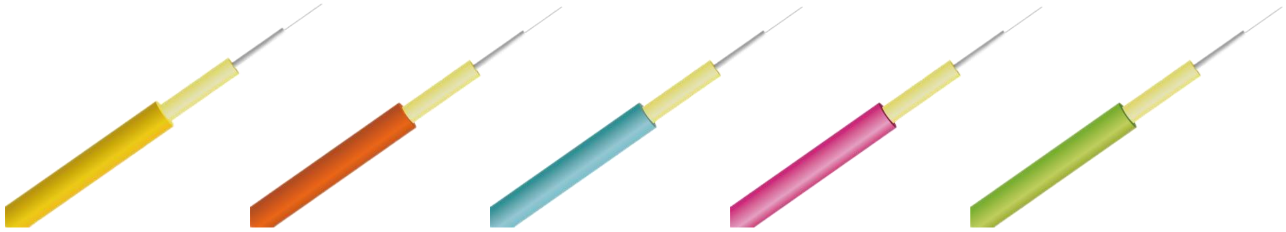
Simplex Round Fiber Cable

Abalone Tech's Simplex Round Fiber Cable is a high-performance, single-fiber optical cable designed for reliable signal transmission in various applications. Its robust circular design offers durability and flexibility, suitable for indoor and outdoor use. The cable features a single optical fiber core with a tight buffer coating for protection and easy handling. The outer jacket, made from premium materials like PVC or LSZH, provides resistance to moisture, abrasion, and UV exposure.





FEATURES

- ✓ High Bandwidth: Supports high-speed data transmission for telecommunications, networking, and industrial applications.
- ✓ Compact Design: Lightweight and space-saving, perfect for installations with limited space.
- ✓ Flexibility: Easy to route and install, even in tight or complex environments.
- ✓ Durability: Engineered to withstand harsh conditions, ensuring long-term reliability.

APPLICATIONS

- ✓ Telecommunications (patch cords, backbones)
- ✓ Medical & Industrial Equipment (sensors, imaging)
- ✓ Military & Aerospace (avionics, secure comms)
- ✓ Broadcast & CATV (single-direction signal transmission)

SPECIFICATIONS

Item		Parameter		
Fiber Core		1		
Cable Diameter(mm)		1.6	2	3
Tensile Strength(N)	Short-term	60	60	120
	Long-term	30	30	60
Crush Resistance(N/100mm)	Short-term	500		
	Long-term	200		
Minimum Bend Radius(mm)	Dynamic	60		
	Static	30		
Max Attenuation(dB/km)	G.652(1310nm/1550nm)	0.4/0.3		
	G.657(1310nm/1550nm)	0.4/0.3		
	62.5μm(850nm/1300nm)	3.5/1.5		
	50μm(850nm/1300nm)	3.5/1.5		
	50μm(850nm/953nm)	3.0/2.4		
Typical Value(dB/km)	G.652(1310nm/1550nm)	0.36/0.22		
	G.657(1310nm/1550nm)	0.36/0.22		
	62.5μm(850nm/1300nm)	3.0/1.0		
	50μm(850nm/1300nm)	3.0/1.0		
	50μm(850nm/953nm)	2.6/1.9		
Operation Temperature(°C)		-20~+70		

For more information
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