



TPU Single-mode Heavy-duty Armored Fiber Optic Cable, 4-core

Product Number: 990211

Product Overview

The G300-xxUSM-4LC is a four-core single-mode finished fiber cable, which is mainly used with audio and video optical fiber extenders. This four-core single-mode 9/125 G657.A1 fiber with LC-type connectors can reach up to 2000 meters while maintaining a 10Gbps bandwidth. Different from generic optical fiber cables, Beetek designed their fiber using tough and wear-resistant TPU outer jacket, and the inside uses fiber core, core cladding, interior Kevlar, coating, stainless steel armored tube, exterior Kevlar, stainless steel braided shield structure. This structure ensures the whole cable has strong tensile and compressive strength. At the end points, the product is also equipped with integrated LC connectors, which are not easily broken like their generic counterparts. Plus, the cable comes with a captive dust cap and Beetek's patented aluminum connector protector as standard to ensure repeated use in harsh environments.



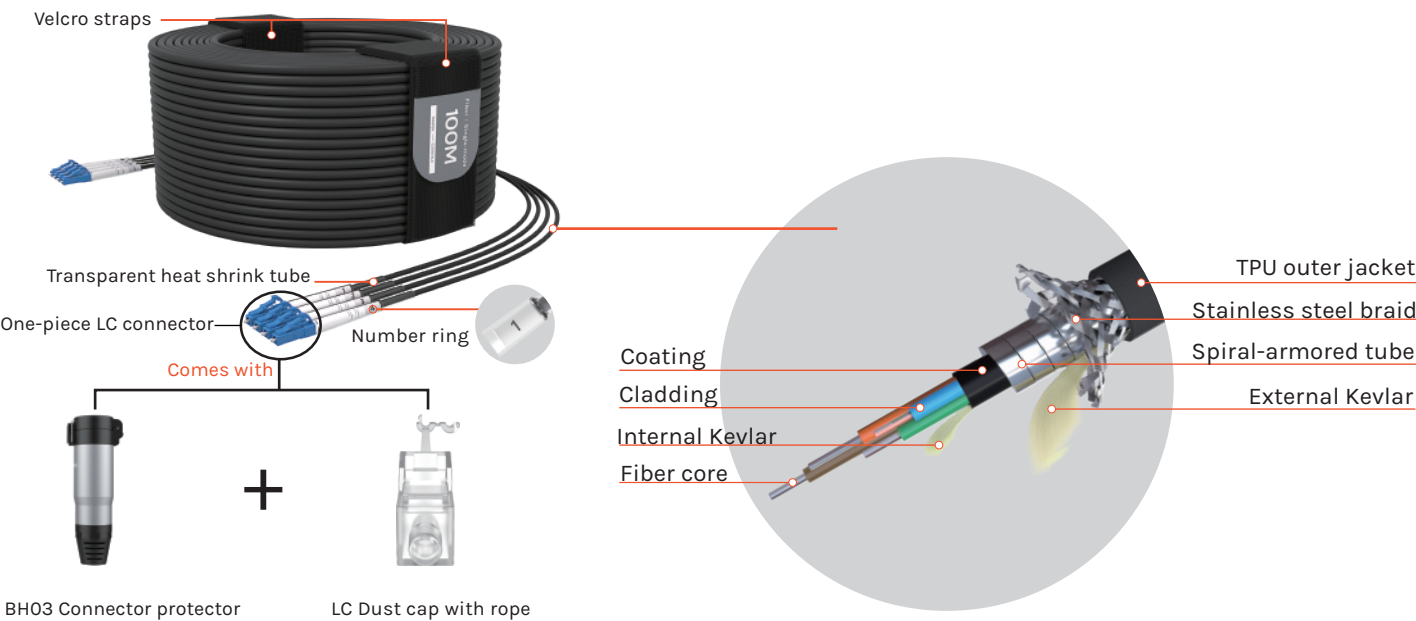
*Fiber length, core quantity and connector types can all be customized.



Product Features

- Adopts high-quality YOFC single-mode G657.A1 fiber core.
- The transmission rate is 10Gbps up to 2000 meters.
- The pliable yet rugged TPU outer sheath and built-in armored piping structure make the cable both durable and flexible at the same time.
- The interior uses DuPont Kevlar and metal braided reinforcement.
- LC connectors are integrated into the cable for strong and reliable connections.
- Maintains the characteristics of anti-freezing, wear resistance, tensile resistance and pressure resistance. Built to last in all conditions.
- Comes with captive LC dust caps and Beetek's patented connector protector.
- Comes standard with Velcro straps for easy storage and deployment.
- Optional DF and PCD Series cable reels are available for superior cable management.

Product Detail Drawing



Product Specifications

Name	Specifications
Product Type	G300-xxUSM-4LC
Connector Type	LC
Connector Color	Dark blue
Fiber Type	Single-mode (9/125μm)
Fiber Wavelength	1310nm~1550nm
Fiber Core Brand	YOFC
Number of cores	4
Branch Length	1 meter
Reinforcement Structure	Kevlar, Stainless steel braided layer
Structural Layers	Fiber core + Cladding + Internal Kevlar + Coating + Spiral-armored tube + External Kevlar + Stainless steel braid + TPU outer jacket
Jacket Outer Diameter	6.2mm±0.1mm
	Matt Frosted TPU

Name	Specifications
Jacket Color	Black
Spiral Tube Diameter	3.8mm±0.2mm
Spiral Tube Material	SUS 304
Spiral Tube Color	Silver
Core Cladding Diameter	0.6mm±0.05mm*4
Core Cladding Material	LSZH
Core Cladding Color	Blue, Orange, Green, Brown
Core Diameter	9.0μm±0.4μm
Cladding Diameter	124.8μm±1.0μm
Cladding out of roundness	≤1.0%
Core/cladding Concentricity Error	≤1.5μm
Coating Diameter	245±7μm
Coating layer out of roundness	≤6.0%
Cladding/coating Concentricity Error	≤12.0μm
Attenuation Coefficient	1310nm≤0.4dB/km, 1550nm≤0.3dB/km
Tensile (LC connector)	Long-term 50N; short-term 60N
Tensile (optical cable)	Long-term 300N; short-term 600N
Compressive Strength	Long-term 2000N/10cm; short-term 3000N/10cm
Linear Rolling	300N/cm armor layer deformation<0.3mm additional attenuation<0.2dB
Minimum Bending Radius	Dynamic>20D; Static>10D (*D is the outer diameter of the cable)
Transmission Rate	10Gbps within 2000 meters
Operating Temperature	-20°C~70°C
Available Lengths	50M, 100M, 150M, 200M, 300M
Included Accessories	Connector protector BH03*2, Dust cap LCF01*8

Product Size



Product Type	G300-xxUSM-4LC
Connector Type	LC
Connector Size	4.52mm*4.52mm*21.5mm
Fiber Core Brand	YOFC
Branch Length	1M

