

Fiber Optic Patch Cord

Multi Mode – Armored Single Jacket Black



Genius Multimode Armoured Fiber Patch Cord is built with OM3/OM4, 50/125µm fiber for fast and dependable data transmission. The stainless-steel spiral armoring provides excellent rodent protection and resistance to crush and bending stresses. It ensures minimal insertion loss with consistent optical performance. It delivers secure connectivity, making it suitable for data centres and rugged environments.

Key Features

- Connector ferrule is made of Zirconia
- Spiral armored protection up to connector entry point
- Rodent-resistant design with enhanced mechanical strength
- Standard duplex LC connectors, customized SC/FC etc
- Factory pre-terminated and 100% performance tested
- RoHS v3 Compliant
- Genius Network Brand Performance Warranty for 25 years



Product Specification

Fiber Type	MM OM3 & OM4
Fiber Count	2F (Single Outer Jacket)
Core Cladding Diameter	50/125 μ m
Strength Member	Aramid Yarn
Armouring Type	Spiral Armored SUS204
Jacket Material	LSZH
Cable Jacket Color	Black
Cable Outer Diameter	4.80 mm \pm 0.20 mm
Breakout Length	275mm \pm 25 mm
Available Connector Variant	LC / SC
Standard Polarity	A-B (Type B)
Connector Ferrule Material	Zirconia Ceramic
Connector Housing Color	Aqua
Connector Boot Color	White / Aqua
Min Bending Radius - Static	10D
Min Bending Radius - Dynamic	20D
Max. Tensile strength (Short Term)	450 N
Max. Tensile strength (Long Term)	350 N
Compressive strength (short term)	5000 N / 100 mm
Compressive strength (Long Term)	3000 N / 100 mm

Performance Specification

Operating Wavelength	850 nm / 1300 nm
Max Attenuation of Patch Cord Cable	\leq 3.5 dB/km @ 850 nm \leq 1.5 dB/km @ 1300 nm
Connector Insertion Loss	Typical: \leq 0.2 dB, Max: \leq 0.3 dB
Connector Return Loss	\geq 30 dB
Durability - Δ IL(dB)	\leq 0.20 dB @ 500 Cycle

Environmental Specification

Operation temperature	-40°C to +80°C
Storage temperature	-40°C to +80°C
Installation temperature	-10°C to +60°C

Standards, Certifications & Compliances

- RoHS v3 Compliant
- Compliance with ANSI/TIA-568-C.3, ANSI/TIA-568.3-D, ANSI/TIA-568.3-E, ISO/IEC 11801 & EN50173,
- Compliance with Flammability Test - IEC 60332-1
- Compliance with Halogen Free - IEC 60754-1
- Compliance with Smoke Density Test - IEC 61034
- Compliance with Minimum concentration of oxygen - ASTM D2863

Ordering Information

Part Number	Product Description
GFM4PDLCDLCSALZ01_B	Genius Fiber Optic Armored patch cord OM4 LC-LC LSZH PC 1 mtr Black
GFM4PDLCDLCSALZ02_B	Genius Fiber Optic Armored patch cord OM4 LC-LC LSZH PC 2 mtr Black
GFM4PDLCDLCSALZ03_B	Genius Fiber Optic Armored patch cord OM4 LC-LC LSZH PC 3 mtr Black
GFM4PDLSCSALZ01_B	Genius Fiber Optic Armored patch cord OM4 LC-SC LSZH PC 1 mtr Black
GFM4PDLSCSALZ02_B	Genius Fiber Optic Armored patch cord OM4 LC-SC LSZH PC 2 mtr Black
GFM4PDLSCSALZ03_B	Genius Fiber Optic Armored patch cord OM4 LC-SC LSZH PC 3 mtr Black
GFM4PDSCDLSALZ01_B	Genius Fiber Optic Armored patch cord OM4 SC-SC LSZH PC 1 mtr Black
GFM4PDSCDLSALZ02_B	Genius Fiber Optic Armored patch cord OM4 SC-SC LSZH PC 2 mtr Black
GFM4PDSCDLSALZ03_B	Genius Fiber Optic Armored patch cord OM4 SC-SC LSZH PC 3 mtr Black
GFM3PDLCDLCSALZ02_B	Genius Fiber Optic Armored patch cord OM3 LC-LC LSZH PC 2 mtr Black
GFM3PDLCDLCSALZ05_B	Genius Fiber Optic Armored patch cord OM3 LC-LC LSZH PC 5 mtr Black