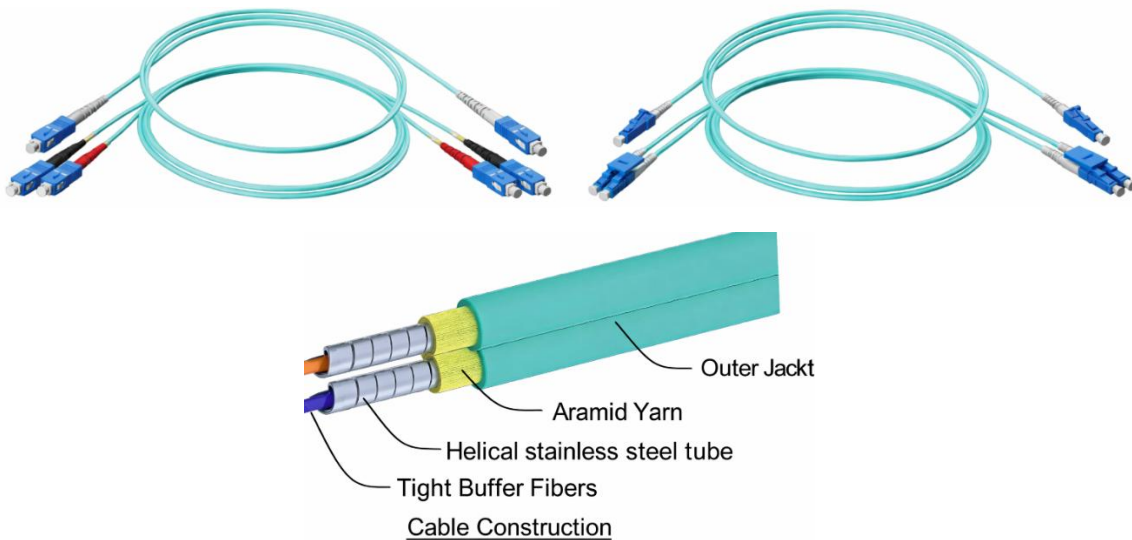


# Fiber Optic Patch Cord

## Multi Mode - Armoured



**Genius** Multimode Armoured Fiber Patch Cord is built with OM3/OM4 50/125  $\mu\text{m}$  fiber for high-speed data transmission in short to medium-distance networks. The stainless-steel armoring offers strong protection against crushing, bending, and physical stress. It provides low insertion loss and stable optical performance for reliable connectivity. Precision connectors (LC/SC/ST/FC) ensure secure and accurate mating. Ideal for industrial areas, data centre, and harsh installation environments

## Key Features

- Connector ferrule is made of Zirconia
- Standard simplex/duplex LC connectors, customized SC/FC etc
- Factory pre-terminated and 100% performance tested
- Spiral armored design with rodent resistance
- RoHS v3 Compliant
- Genius Network Brand Performance Warranty for 25 years



## Product Specification

Fiber Type	MM OM3 & OM4
Fiber Count	2F
Core Cladding Diameter	50/125 um
Strength Member	Aramid Yarn
Armouring Type	Helical stainless-steel tube
Jacket Material	LSZH
Cable Jacket Color	Aqua
Available Connector Variant	LC / SC
Standard Polarity	A-B (Type B)
Connector Ferrule Material	Zirconia Ceramic
Connector Housing Color	Aqua / Beige
Connector Boot Color	White / Aqua
Min Bending Radius - Static	10D
Min Bending Radius - Dynamic	20D
Max. Tensile strength - Short Term	2000 N
Max. Tensile strength – Long Term	800 N
Compressive strength - short term	3000 N / 100 mm
Compressive strength - Long Term	2000 N / 100 mm
Standard Length (in Meters)	1 /3/5/10/15/20

## Performance Specification

Supporting Wavelength	850 nm / 1300 nm
Max Attenuation of Patch Cord Cable	850 nm: $\leq 3.0$ dB/km, 1300 nm: $\leq 1.0$ dB/km
Connector Insertion Loss	Typical: $\leq 0.2$ dB, Max: $\leq 0.3$ dB
Connector Return Loss	$\geq 30$ dB
Durability - $\Delta$ IL(dB)	$\leq 0.20$ dB @ 500 Cycle

## Environmental Specification

Operation temperature	-10°C to +70°C
Storage temperature	-20°C to +80°C
Installation temperature	0°C to +70°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 TIA/EIA-604 -10 (FOCIS 10), TIA/EIA-604 -3 (FOCIS 3), Telcordia GR-326-CORE & IEC 874-1
- Compliance with Flammability Test - IEC 60332-1, IEC 60332-3C
- 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
GFM4PDLCDLZ01	Genius Fiber Optic Armored patch cord OM4 LC-LC LSZH PC 1 mtr
GFM4PDLCDLZ02	Genius Fiber Optic Armored patch cord OM4 LC-LC LSZH PC 2 mtr
GFM4PDLCDLZ03	Genius Fiber Optic Armored patch cord OM4 LC-LC LSZH PC 3 mtr
GFM4PDLSCDLZ01	Genius Fiber Optic Armored patch cord OM4 LC-SC LSZH PC 1 mtr
GFM4PDLSCDLZ02	Genius Fiber Optic Armored patch cord OM4 LC-SC LSZH PC 2 mtr
GFM4PDLSCDLZ03	Genius Fiber Optic Armored patch cord OM4 LC-SC LSZH PC 3 mtr
GFM4PDSCDLZ01	Genius Fiber Optic Armored patch cord OM4 SC-SC LSZH PC 1 mtr
GFM4PDSCDLZ02	Genius Fiber Optic Armored patch cord OM4 SC-SC LSZH PC 2 mtr
GFM4PDSCDLZ03	Genius Fiber Optic Armored patch cord OM4 SC-SC LSZH PC 3 mtr
GFM3PDLCDLZ02	Genius Fiber Optic Armored patch cord OM3 LC-LC LSZH PC 2 mtr
GFM3PDLCDLZ05	Genius Fiber Optic Armored patch cord OM3 LC-LC LSZH PC 5 mtr

Note – Last 2 Digit of Part number is Indicate Patch cord length.