



# 81 Series Singlemode or Multimode Attenuated Patchcords

*MaJoR Fiber Optics presents Attenuated Patchcords that have the capability to provide a tight attenuation tolerance and low PDL performance. The patchcords come in a variety of cable and connector types to fit todays many different applications.*

### Applications

- LAN, WAN & Metro Networks
- Telecommunication Networks
- Passive Optical Networks
- Test & Measurement Systems
- CATV

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- Singlemode and Multimode Patchcords in 900um, 1.6mm & 3mm cable diameters
- Simplex and Duplex cable types available
- Optical performance 100% factory tested
- Available utilizing 850nm or 1300nm for Multimode and 1310nm and/or 1550nm for singlemode applications
- Low Insertion loss variation and low Back Reflection
- Meets Telcordia GR-CORE 326 and 910
- High temperature performance
- Corning SMF-28 fiber

### Specifications

Attenuation Values—Singlemode:	1-10dB ± 1dB 11-20dB ± 10%
Attenuation Values—Multimode:	3-10dB ± 1.5dB 11-20dB ± 15%
PDL—Singlemode:	≤ 0.15dB

	Polish Type		
	UPC	APC	M/M
Insertion Loss (typ.)	0.15dB	0.20dB	0.50dB
Insertion Loss (max.)	0.30dB	0.35dB	0.75dB
IL Repeatability	± 0.10dB	± 0.15dB	± 0.50dB
Back Reflection	≤ -55dB	≤ -60dB	N/A

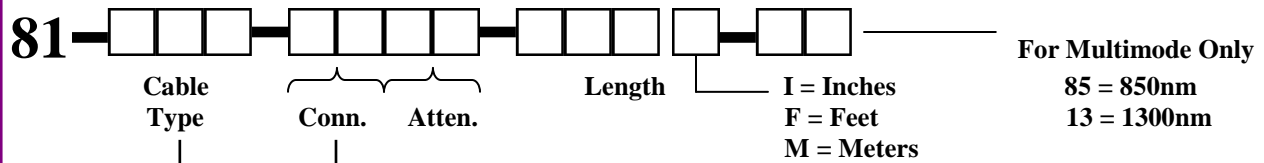
Undercut/Protrusion (Relative to Endface)      0.000um—0.50um undercut  
zero protrusion permitted

Radius of Curvature      20mm ± 5-10mm (15mm typ.)



# 81 Series Singlemode or Multimode Attenuated Patchcords

## PART NUMBER ORDERING INFORMATION



- 100 = 3mm Simplex—1310nm Singlemode
- 101 = 1.6mm Simplex—1310nm Singlemode
- 102 = 3mm Simplex—1550nm Singlemode
- 103 = 1.6mm Simplex—1550nm Singlemode
- 104 = 900um Simplex—1310nm Singlemode
- 105 = 900um Simplex—1550nm Singlemode
- 106 = 3mm Simplex 1310/1550nm Singlemode
- 107 = 1.6mm Simplex 1310/1550nm Singlemode
- 115 = 2.0mm Simplex 1310/1550nm Singlemode
- 108 = 900um Simplex 1310/1550nm Singlemode
- 205 = 3mm Duplex 1310/1550nm Singlemode
- 206 = 1.6mm Duplex 1310/1550nm Singlemode
- 109 = 3mm Simplex 62.5/125um 850nm or 1300nm Multimode
- 110 = 1.6mm Simplex 62.5/125um 850nm or 1300nm Multimode
- 111 = 900um Simplex 62.5/125um 850nm or 1300nm Multimode
- 204 = 3mm Duplex 62.5/125um 850nm or 1300nm Multimode
- 202 = 1.6mm Duplex 62.5/125um 850nm or 1300nm Multimode
- 112 = 3mm Simplex 50/125um 850nm or 1300nm Multimode
- 113 = 1.6mm Simplex 50/125um 850nm or 1300nm Multimode
- 114 = 900um Simplex 50/125um 850nm or 1300nm Multimode
- 200 = 3mm Duplex 50/125um 850nm or 1300nm Multimode

Type	Singlemode	Multimode
LC/UPC	L	L
LC 90° Boots	D	N/A
SC/UPC	T	Z
SC/APC	Q	N/A
SC 90° Boot	C	N/A
FC/UPC	P	E
FC/APC	U	N/A
ST/UPC	R	G
No Conn.	0 (zero)	0 (zero)

### Examples:

81-102-TT05-001M

1550nm 5dB Attenuation, 3mm cable with SC/UPC connectors, 1 meter total length

81-108-PR10-003M

1310nm & 1550nm 10dB Attenuation, 900um cable with conn. 1 FC/UPC and conn. 2 ST/UPC, 3 meter total length

81-109-ZZ10-001M-13

Multimode 62.5/125um 3mm Simplex, SC connectors, 1 meter length, 1300nm wavelength