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“Armored “ Fiber Optic Patch Cords



Applications: Telecommunication Systems
CATV Systems
LAN Systems
Abusive Environments

Features: Rugged and Flexible
Low Insertion Loss
High Return Loss
High Reliability and Stability
Easy Installation

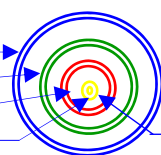
Armored fiber patch cords are available in standard and non-standard lengths. They provide consistent high reliability and stability. Both simplex and duplex varieties have the same jacket, armored cord and Kevlar strength members with the only difference being the coating on the fiber. All have excellent return loss (SCAPC typical: $\geq 65\text{dB}$), low insertion loss (typical: $\leq 0.2\text{dB}$), and are rugged, flexible and easy to install. These assemblies are superior for rough handling applications such as head ends, engineering and lab environments.

Simplex

Coating: 3.3 mm
Armored Cord: 2.6 mm
Strength Member: Kevlar
Fiber: 900um x 1

Duplex

Coating: 3.3 mm
Armored Cord: 2.6 mm
Strength Member: Kevlar
Fiber: 600um x 2



***Tensile Resistance: Connector to cable $\geq 20\text{ kg}$ ***

Performance Specifications

Type	Single Mode			Multi Mode
	PC	UPC	APC	PC
Insertion Loss	$\leq 0.3\text{dB}$	$\leq 0.2\text{ dB}$	$\leq 0.4\text{dB}$	$\leq 0.5\text{dB}$
Return Loss	$\geq 45\text{dB}$	> 55	$\geq 65\text{dB}$	$\geq 35\text{dB}$
Repeatability	$\leq 0.2\text{dB}$			
Operating Temp	$-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$			
Storage Temp	$-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$			



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Ordering Information

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Configuration	Optical Fiber	Cable Type	Connector A	Ferrule Polish A	Connector B/ Ferrule Polish B	Cable O.D.	Cable Length
APC: Armored Patch Cord	S: Single Mode M5: MM 50 M6: MM 62.5	S: Simplex D: Duplex	F: FC S: SC T: ST L: LC	P: PC A: APC U: UPC	For B: Repeat selection of ferrule and polish as for connector A.	3: 3.3mm	005: 0.5M 010: 1.0M 015: 1.5M 020: 2.0M 030: 3.0M 100: 10.0M

Example: A Single Mode, Simplex, SC/APC - SC/APC, 2 meter patch cord with a 3.3 mm jacket:
APCSSSASA3020

Pricing and Delivery

- Lead time for standard products is 7-14 working days.
- Hybrid configurations are available.
- Please contact M2 Optics, Inc. regarding pricing or visit our website at www.m2optics.com for additional information.

Other Products by M2 Optics

In addition to our fiber assemblies, M2 Optics also offers the following high quality products:

- Fixed and Variable Optical Attenuators
- Power Meters and OMI Instruments
- FIBER LAB Field Simulation Products
- 1x2 Optical Switch: LGX & Component
- LGX Optical Couplers
- Other Products: ask us.

