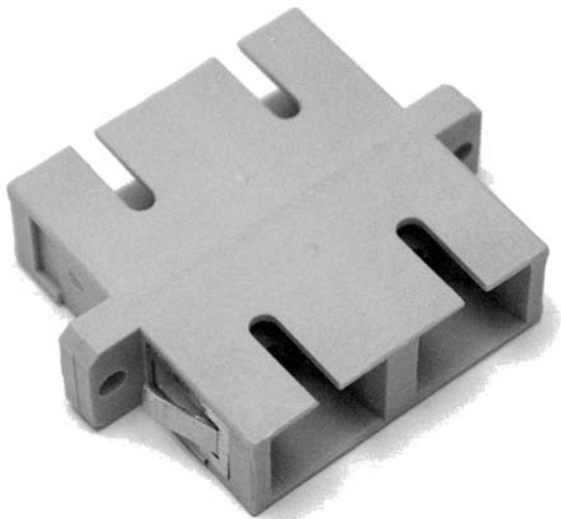




## hp fibre optic SC, LC and adapter connectivity cables



### performance

HP's server, storage, and processing performance improvements and the move to distributed architectures created the need for high speed; reliable data interconnect over longer distances. Fibre Channel, a gigabit interconnect technology, allows concurrent communications between devices and peripherals using SCSI and IP protocols. Some of the benefits of Fibre Optic interconnect include:

- speed and performance: performs at a rate of 266 megabits/second to 2 Gigabits/second, will expand to 10 Gigabits/second in the future
- distance: HP cables can support distances up to 200 m
- size and weight: smaller connectors allow for high port density
- bandwidth: carries more information with greater accuracy and low attenuation
- electric immunity: electromagnetic electric current cannot flow through glass fiber
- features: supports traditional channel features for simplicity, repeatable performance and guaranteed delivery
- price performance: provides cost-effective solutions for storage, servers, and networks

HP offers Duplex Multimode Fibre Optic cables in various lengths and connector styles. HP Fibre Optic cables are:

- designed and tested to specifically connect your Hewlett-Packard computing devices, insuring 100% compatibility
- designed to stringent specifications to insure low insertion loss and return loss
- tested and verified to operate at optimal transmission speeds required by reliable Gigabit Ethernet, Fibre Channel, and data networks

The SC connector was designed to support Telecommunication and Datacom networks. The connector system combines two, widely accepted, NTT-SC standard connectors in a common duplex housing. This housing provides smooth insertion and removal of the connector pairs. SC cables are employed in solutions using 1 Gigabit or lower speeds.

The LC Connector was designed as a high-density optical interface used in networking applications. The LC connector supports higher port densities with the highest performance through-put. LC connectors are employed in solutions using up to 2 Gigabit speeds.



guaranteed  
compatibility,  
reliability, and  
performance

## products

product number	technology	connector	size & gender	length
A3583A Fibre Optic Cable	SC Duplex	SC to SC	50/125 M/M	2m
A3531A Fibre Optic Cable	SC Duplex	SC to SC	50/125 M/M	16m
A3735A Fibre Optic Cable	SC Duplex	SC to SC	50/125 M/M	50m
A3736A Fibre Optic Cable	SC Duplex	SC to SC	50/125 M/M	100m
C7524A Fibre Optic Cable	LC Duplex	LC to LC	50/125 M/M	2m
C7525A Fibre Optic Cable	LC Duplex	LC to LC	50/125 M/M	16m
C7526A Fibre Optic Cable	LC Duplex	LC to LC	50/125 M/M	50m
C7527A Fibre Optic Cable	LC Duplex	LC to LC	50/125 M/M	200m
C7529A Fibre Optic Cable	LC/SC Duplex	LC to SC	50/125 M/M	2m
C7530A Fibre Optic Cable	LC/SC Duplex	LC to SC	50/125 M/M	16m
C7534A Fibre Optic Coupler	SC Duplex	SC to SC	F/F	n/a
C7540A Fibre Optic Adapter Kit (C7540A includes C7529A and C7534A)	n/a	n/a	n/a	n/a

## quality & compatibility

- HP designs and tests all cables to meet and exceed industry standards specifications
- utilizes standard NTT-SC and Bellcore 326 compliant connectors
- meets EIA/TIA 586A and IEC 874-19 standards
- low insertion loss
- rugged duplex housing provides uniform and smooth mating
- optional adapters/couplers: SC F/F coupler and SC to LC cables

## hp advantage

- guaranteed compatibility with your HP computing equipment
  - reduce down time
- optimum data transmission speeds
  - increase productivity and maximize investment in computing equipment
- price performance
  - fibre channel provides cost-effective networking solutions
  - reduce cost by including cable on your computing equipment purchase order
- minimize cable troubleshooting time



### technical specifications

	LC	SC
Fiber Type	• Multimode (50u LC Patch Cords With 1.6 mm OD)	• Multimode (50u SC Patch Cords With 3 mm OD)
Cable Size	• MS1LC-LC: .063 in (1.6 mm) • MS2LC-LC: 0.63 in. X 0.14 in. (1.6 mm X 3.6 mm)	• MS1SC-SC: .063 in (1.6 mm) • MS2SC-SC: 0.63 in. X 0.14 in. (1.6 mm X 3.6 mm)
Minimum Bend Radius Installed	• 2cm	• 3cm
Installation Temperature	• 0C to 70C	• 0C to 70C
Optical Specifications		
Return Loss	• 45db	• 20db
Maximum Fiber Loss	• 1.5dB max per kilometer at 1300nm	• 1.5dB max per kilometer at 1300nm
Subsystem	• Telecommunications Closet, Equipment Room, Work Area	• Telecommunications Closet, Equipment Room, Work Area
Max Pulling Load	• 220 Newtons EIA-FOTP-33A	• 600 Newtons EIA-FOTP-33A
Max Safe Operating Load	• 50 Newtons	• 200 Newtons
Crush Resistance	• 150N/cm EIA-FOTP-41A	• 400N/cm EIA-FOTP-41A

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