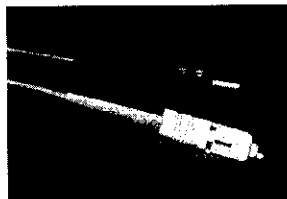


Select a Fiber Optic Cable Assembly

AMP offers a complete line of fiber optic patch cords to meet the requirements of any data communication scenario. Featuring cables with ST, SC, MT-RJ and LIGHTRAY MPX, our assemblies are built with AMP fiber optic connectors, and AMP optical fiber cable. The assemblies are built and tested individually to ensure low optical loss, and years of dependable performance. These cables are available in a multitude of lengths and connector combinations, using connectors with ceramic or polymer ferrules. If you do not see what you need here, please contact us for further assistance in finding the correct fiber cable for your application.

LIGHTRAY MPX System card cable assemblies are also available terminated with these industry-standard interfaces. See page 681 for more information.

Standard Patch Cables



Description	Ferrules	Part Numbers
Duplex ST to ST	Ceramic	503995-X
	Polymer	503994-X
Duplex SC to SC	Ceramic	504971-X
	Riser Rated (62.5/125µm)	
Duplex SC to ST	Ceramic	504958-X
ST to FSD (FDDI)	Ceramic	504610-X
	Polymer	504609-X
FSD to FSD (FDDI to FDDI)	Ceramic	504626-X
	Polymer	504625-X

-X denotes length in meters

-1 = 1 meter, -2 = 2 meters, -3 = 3 meters, -4 = 5 meters, -5 = 10 meters

MT-RJ Cable Assemblies



Description	Mode	Fiber Size	Part Numbers
MT-RJ to SC Duplex	Multimode	50/125µm	X-1278126-X
	Multimode	62.5/125µm	X-1278028-X
	Singlemode	—	X-1278031-X
MT-RJ to SC Simplex	Multimode	50/125µm	X-1278127-X
	Multimode	62.5/125µm	X-1278030-X
MT-RJ to ST	Multimode	50/125µm	X-1278199-X
	Multimode	62.5/125µm	X-1278027-X
	Singlemode	—	X-1278298-X
MT-RJ to MT-RJ	Multimode	50/125µm	X-1278128-X
	Multimode	62.5/125µm	X-1278032-X
	Singlemode	—	X-1278033-X

-X denotes length in meters

-1 = 1 meter, -2 = 2 meters, -3 = 3 meters, -5 = 5 meters, 1- -0 = 10 meters

Gigabit Ethernet Conditioned Launch Cables (Multimode)

Description	Fiber Size	Cable Length	Part Numbers
SC	50/125µm	1 meter	1278388-1
	50/125µm	3 meter	1278388-2
	62.5/125µm	1 meter	1278389-1
	62.5/125µm	2 meter	1278390-1
	62.5/125µm	3 meter	1278389-2
	62.5/125µm	6 meter	1278390-2
MT-RJ	50/125µm	1 meter	1278930-1
MT-RJ to ST	50/125µm	1 meter	1278931-1
MT-RJ to SC	50/125µm	1 meter	1278932-2

Why use a conditioned launch cable? The IEEE 802.3z Gigabit Ethernet Task Force (GETF) identified a condition known as differential modal delay (DMD), which occurs in certain circumstances with particular combinations of lasers and multimode (MM) fiber. The resulting characteristics create an additional element of "jitter" which can limit the reach of Gigabit Ethernet over MM fiber.

As a result, the GETF specified "conditioned launch" techniques to deal with DMD jitter in MM fiber. Conditioned launch cables were developed for 1000BASE-LX in order to meet the conditioning specification for multimode fiber. Since the cable assembly is removable, the same 1000BASE-LX transceiver can be used to drive both multimode and singlemode fiber.