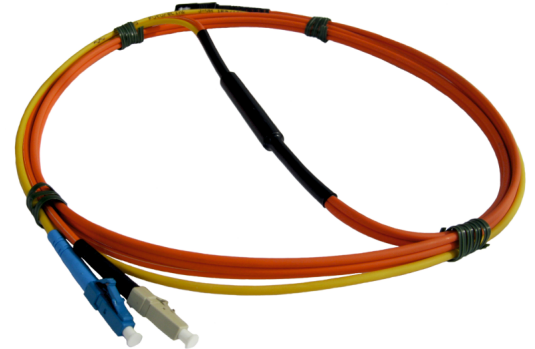


Patchcord MC Q-Fiber

Description

The **MODE CONDITIONING (MC)** cables are applied in systems, in which the modern active devices of the Gigabit Ethernet technology are connected by means of the existing multimode cabling. They make it possible to increase the transmission distance of the 1000BASE-LX technology to 550 m for OM1 cables. MC cables are duplex cables, at the end of which - on the transmission side - there is a section of single-mode cable. Next, a single-mode cable is connected with a multimode cable in a special manner, thus yielding an enhanced quality of signal propagation in the multimode cable. The MC technology consists in the optimum introduction of the signal from a single-mode fibre-optic cable to a multi-mode one, which is achieved by the displacement of cores. A single-mode signal is not introduced in the axis of the multimode fibre-optic core, because in such a situation there are many parallel signals, which interact and cause the so-called Differential Mode Delay (DMD parameter), thus limiting the transmission distance.



Application

Telecommunication, CATV, Monitoring, Industry, LAN, MAN, WAN, FTTx, PON.

Properties

- » Any length (length tolerance is up to 3 m: 3%, above: 1%)
- » Various cable types: 50/125 μm or 62.5/125 μm
- » Cable Duplex Zipcord (I-VH) or Duplex Round (I-VHH)
- » Cable diameters from 1.8 mm to 3.0 mm
- » Connectors on the ends: SC, FC, ST, LC, MU, E2000, MT-RJ, DIN, FDDO, other
- » Polishing standards: FLAT, PC, UPC, APC 8°, APC 9°

Transmission parameters

- » Insertion loss (IL): $\leq 0,50$ dB
- » Coupled power ratio (CPR):
 - min 12 dB to max 20 dB for 50/125 μm and wavelength 1310 nm
 - min 28 dB to max 40 dB for 62.5/125 μm and wavelength 1310 nm
- » Operating temperature range: -40°C to +85°C

Photos



How to order

MC							
Core type:	Cable diameter:	Connector A:	Polishing standards A:	Connector B:	Polishing standards B:	Length:	
M1=MM 62 OM1	18=1.8 mm	O=None	O=None	O=None	O=None	0020=2 m	
M2=MM 50 OM2	20=2.0 mm	S=SC	F=Flat	S=SC	F=Flat	:	
M3=MM 50 OM3	28=2.8 mm	T=ST	P=PC	T=ST	P=PC	0100=10 m	
M4=MM 50 OM4	X=Other	F=FC	U=UPC	F=FC	U=UPC	:	
		L=LC	A8=APC 8°	L=LC	A8=APC 8°	:	
		E=E2000	A9=APC 9°	E=E2000	A9=APC 9°	:	
		M=MU		M=MU		:	
		D=DIN		D=DIN		:	
		I=FDDI		I=FDDI		:	
		R=MTRJ		R=MTRJ		:	

Information

- » Patchcord MC packed in a bag
- » Each product is accompanied by a measurement protocol
- » Ferrule secured cover
- » Fiber optic fusion secured by an aluminum tube and a shrink-guard