

3M™ Volition™ Fiber Patch Cords



The Fiber Patch Cords are designed at the factory to meet worldwide specifications. The Patch cords are an integral part of our optical system and manufactured and tested in our factory. They ensure the correct performance of the connection point and of the optical link. The jacket of the cable can be made of PVC or LSOH for different applications. The patch cords are available with SC, LC or MPO connectors with OM1, OM2, OM3, OM4 and single mode fiber optic cables. They offer 3M system identity for corporate quality and warranty approval.

Features

- Available in PVC(Riser grade) or LSOH
- Available with LC, SC or MPO Connector
- Available in OM1, OM2, OM3, OM4 and SM

Compliant with the following standards :

- EIA/TIA 568C
- ISO 11801
- FDDI
- 10Gb/s Ethernet Network (with OM3/OM4 cable)

Technical Specification

Fiber Specification

Optical fiber type	Nominal core diameter (µm)	Minimum overfilled launch bandwidth (Mhz.km)		Effective laser launch bandwidth (MHz.km)	Maximum attenuation (dB/km)		
		850nm	1300nm		850nm	1300nm	1550nm
OM1	62.5	200	500	-	3.5	1.5	-
OM2	50	500	500	-	3.5	1.5	-
OM3	50	1500	500	2000	3.5	1.5	-
OM4	50	3500	500	4700	3.5	1.5	-
OS1	9	-	-	-	-	1.0	1.0

Connector Specification

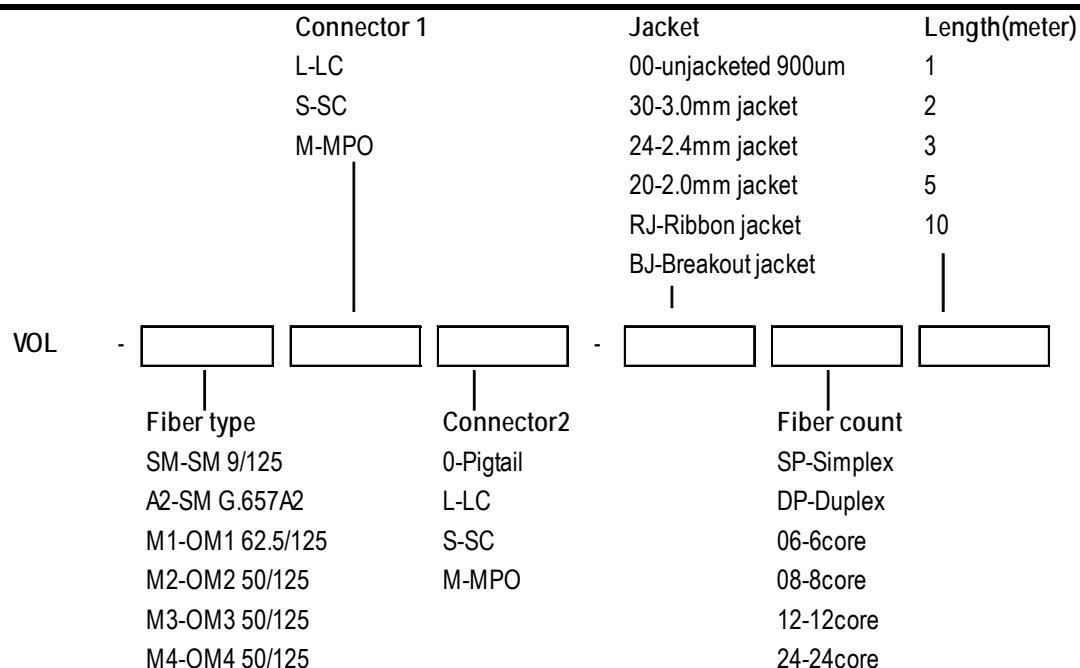
SC and/or LC Type

	Single Mode	Multi Mode		
Fiber Type	OS1(9/125um)	OM1(62.5/125um)	OM2(50/125um)	OM3/OM4(50/125um)
Insertion Loss(Max.)	≤0.3dB	≤0.3dB	≤0.3dB	≤0.3dB
Insertion Loss(Typical)	≤0.2dB	≤0.2dB	≤0.2dB	≤0.2dB
Return Loss	≤-50dB	/	/	/
Durability(1000 mating)	≤0.2dB			
Operating temperature	-40°C~85°C			

MPO Type

	Single Mode	Multi Mode		
Fiber Type	OS1(9/125um)	OM1(62.5/125um)	OM2(50/125um)	OM3/OM4(50/125um)
Insertion Loss	≤0.75dB	≤0.5dB	≤0.5dB	≤0.5dB
Return Loss	≤-40dB	/	/	/
Durability(500 mating)	≤0.3dB			
Operating temperature	-40°C~75°C			

Ordering Information



Important Notice

The details contained in this literature have been carefully prepared from information available to 3M at the time of its production. However, it is not intended to be relied upon for purposes of product specification and you should contact your sales representative if specification details are required. Because of the wide variety of processes and conditions in which these products may be used, the user should first carry out tests to determine the suitability of the products for the particular use intended. All questions of warranty and liability relating to 3M products are governed by the selling 3M subsidiary's Terms of Sale subject where applicable to the prevailing law.

3M is trademark of the 3M company. SID is a trademark of Quante AG.

