

Single Mode (OS2) Fiber Optic Patch Cords and Pigtails

These Patch cords are made of tight buffered fiber cores having Aramid Yarn as protection below the outer jacket. Construction made of LSZH (low smoke zero halogen) thermoplastic Jacket. Patch cord assemblies are available in OS2 Single Mode (G.652D) with multiple types of End Connector Offering.

The fiber cores are connected with ceramic ferrule to provide low insertion loss and high return loss. All Patch cords are 100% optically inspected and tested individually. Insertion loss and return loss values are available with every patch cord.



Standards

- ANSI/TIA-568.3-E
- ISO/IEC 11801
- TIA 604 FOCIS 3
- IEC 61300-3-4
- IEC 61300-3-6
- IEC 60874-1

Construction

Core/Clad Diameter (µm)	9/125
Coating Diameter (µm)	250±15
Tight Buffer Diameter (µm)	600±50 (for 1.80mm OD) 900±50 (for 3.00mm OD)
Jacket	Low Smoke Zero Halogen
Jacket Diameter	1.80mm± 0.10mm, 3.00mm ± 0.15mm (Simplex) 4.00 x 2.00mm± 0.20mm, 6.00 x 3.00mm± 0.30mm (Duplex)
Colour of Jacket	Yellow
Strength Member	Aramid Yarn
Connector Housing Colour	Blue
Boot Colour	White
Ferrule	Ceramic
Polishing	UPC
Connector Housing & Boot Housing	Polycarbonate UL94V-0
Cable Retention Force	20N

Transmission Data

Fiber Type	Single Mode (OS2) 9/125, G.652D
Operating wavelength range (nm)	1310/1550
Insertion Loss (dB)	≤ 0.3
Return Loss (Back Reflection) (dB)	≥ 50
Mating Durability for 1000 Cycles (dB)	≤ 0.2
Repeatability (dB)	≤0.1



Environmental

Transport and Storage	-20° to 75°C
Installation	4° to 50°C
Operation	-20° to 75°C
Humidity	10% to 90% RH

Compliances

Flammability	IEC 60332-1
Smoke density	IEC 61034
Acid gas	IEC 60754-1

How to Order

Description	Product Code
Fiber Optic LSZH Patch cord, OS2 (G.652D)	6410EF-YYYY
Fiber Optic Pigtail, OS2, LC, 1.5mtrs	640929-0015
Fiber Optic Pigtail, OS2, SC, 1.5mtrs	640909-0015
Fiber Optic Pigtail, OS2, ST, 1.5mtrs	640949-0015
Fiber Optic Pigtail, OS2, FC, 1.5mtrs	640959-0015

E, F denotes Type of Connector (E≤F): 0 = SC, 2 = LC, 4 = ST, 5=FC

YYY Denotes Length in Meters

Type (EF) Length (YYY)	2mtr (002)	5mtr (005)	10mtr (010)
LC-LC	641022-1002	641022-1005	641022-1010
SC-LC	641002-1002	641002-1005	641002-1010
SC-SC	641000-1002	641000-1005	641000-1010
SC-ST	641004-1002	641004-1005	641004-1010
LC-ST	641024-1002	641024-1005	641024-1010
ST-ST	641044-1002	641044-1005	641044-1010
FC-LC	641025-1002	641025-1005	641025-1010

Other Lengths and Types are available upon request.