



# STRUCTURED CABLING SYSTEMS

## DIGISOL Patch Cord, Single Mode (OS2), LSZH Type

### Introduction:-

DIGISOL Fiber Optic Single Mode OS2 Patch Cords are offered in LSZH jackets with corning fiber. Available in a variety of different connectors in simplex and duplex options with low insertion loss. Supported for a wide variety of applications.



### Key Features:-

- Patchcords are factory terminated and 100% tested for performance.
- Pull proof UPC or APC type connectors to prevent disconnect.
- 2mm cordage meets high density requirement during installation
- Low smoke Zero Halogen (LSZH) rated jacket to reduce toxic/corrosive gases.
- Low insertion loss and Return loss
- Available with corning fiber
- Available in Simplex and Duplex variants
- Available in Hybrid Patchcords with different connectors at both ends
- Fiber being used is bend insensitive G.657A standard



### Technical Specifications:-

Connector Type	: SC, LC, FC, ST (End A) SC, LC, FC, ST (End B)
Fiber Type	: OS2 (9/125µm Corning Clear Curve)
Number of Fibers	: 1F jacketed (Simplex), 2F zipcord jacketed (Duplex)
Buffer Diameter (mm)	: 0.9 ± 0.05
Jacket Thickness (mm)	: 0.35 ± 0.05
Cable Diameter (mm)	: 2.0 ± 0.2 (Simplex) 2.0 x 3.8 ± 0.2 (Duplex)
Strength Member	: Aramid Yarn
Jacket Color	: Yellow
Jacket Material	: LSZH
Connector Color	: Blue (UPC Type), Green (APC Type) Steel Body (ST, FC)

### Environmental Specifications:-

Storage Temperature	: -20 °C to +70° C
Installation Temperature	: -20 °C to +70° C
Operating Temperature	: -20 °C to +70° C

### Standards:-

IEC 60332-1  
ANSI/TIA 568-C.3 & ISO/IEC 11801  
RoHS compliance: Directive 2002/95/EC

### Ordering Information:-

Part Codes	Description
DGF-PS2DXXYYWZL	DIGISOL PATCHCORD, SM(OS2), DUPLEX XX-YY, WW TYPE, ZM, LSZH
DGF-PS2SXXYYWZL	DIGISOL PATCHCORD, SM(OS2), SIMPLEX XX-YY, WW TYPE, ZM, LSZH
DGF-PS2DXXWYYWZL	DIGISOL PATCHCORD, SM(OS2), DUPLEX XX-W-YY-WW TYPE, ZM, LSZH
DGF-PS2SXXWYYWZL	DIGISOL PATCHCORD, SM(OS2), SIMPLEX XX-W-YY-WW TYPE, ZM, LSZH

Note: XX - Types of connectors SC, LC, FC, ST  
YY - Types of connectors SC, LC, FC, ST

Z - Length in meters 1, 2, 3 & above, A=10, B=15, C=20 & above  
W / WW - P / UPC type or A / APC type connector

Example: DGF-PS2DLCSCP1L - DIGISOL PATCHCORD, SM(OS2), DUPLEX LC-SC, UPC TYPE, 1M, LSZH  
DGF-PS2SLCPSCA1L - DIGISOL PATCHCORD, SM(OS2), SIMPLEX LC-UPC-SC-APC TYPE, 1M, LSZH

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