



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:-

- LSZH Jacket-Reduced Toxic Gasses Emitted During Combustion
- 100% Factory Tested
- Low Insertion Loss and Return Loss
- Available with Corning Fiber
- Available in PC/APC Type Options
- High Precision Ceramic Ferrule with Good Concentricity
- Available in Simplex and Duplex Modes
- Fiber being used is bend insensitive G657 standard



Technical Specifications:-

Connector Type	: SC, ST, FC, LC, MTRJ
Fiber Type	: OS2 (9/125 Corning Clear Curve)
Tight Buffer Color	: White/yellow
Tight Buffer Material	: LSZH
Tight Buffer Diameter (mm)	: 0.9 +/- 0.05
Strength Member	: Aramid Yarn
Jacket Color	: Yellow
Jacket Material	: LSZH
Jacket Thickness (mm)	: 0.45 +/- 0.05
Cable Diameter (mm)	: 2.0 (+/-0.1) X 2
Cable Weight (kg/km)	: Approx. 13.0
Minimum Bending Radius (mm)	: 30 (static)
Attenuation (db/km)	: <= 1.5 at 1300nm, <= 3.5mm at 850nm
Short Term Tensile (n)	: 160
Crush Resistance (n/100mm)	: 500
Operation Temperature (degree)	: Minus 20 ~ Plus 70

Mechanical Specifications:-

Connector Ferrule	: Zirconia Ceramic, (MTRJ: PS Polyphenylene Sulphide)
Apex Offset	: <50µm
Fiber Height	: (+/-)100nm
End Face Radius of Curvature	: 7mm <R<25mm (Excluding MTRJ)
Repeatability	: <= 0.2db 1000 Times Mating Cycles

Optical Specifications:-

Insertion Loss	: <= 0.2 db, Max 0.3db/MTRJ: Max 0.5db
Return Loss	: PC>= 45db, UPC>=50db, APC>=60db

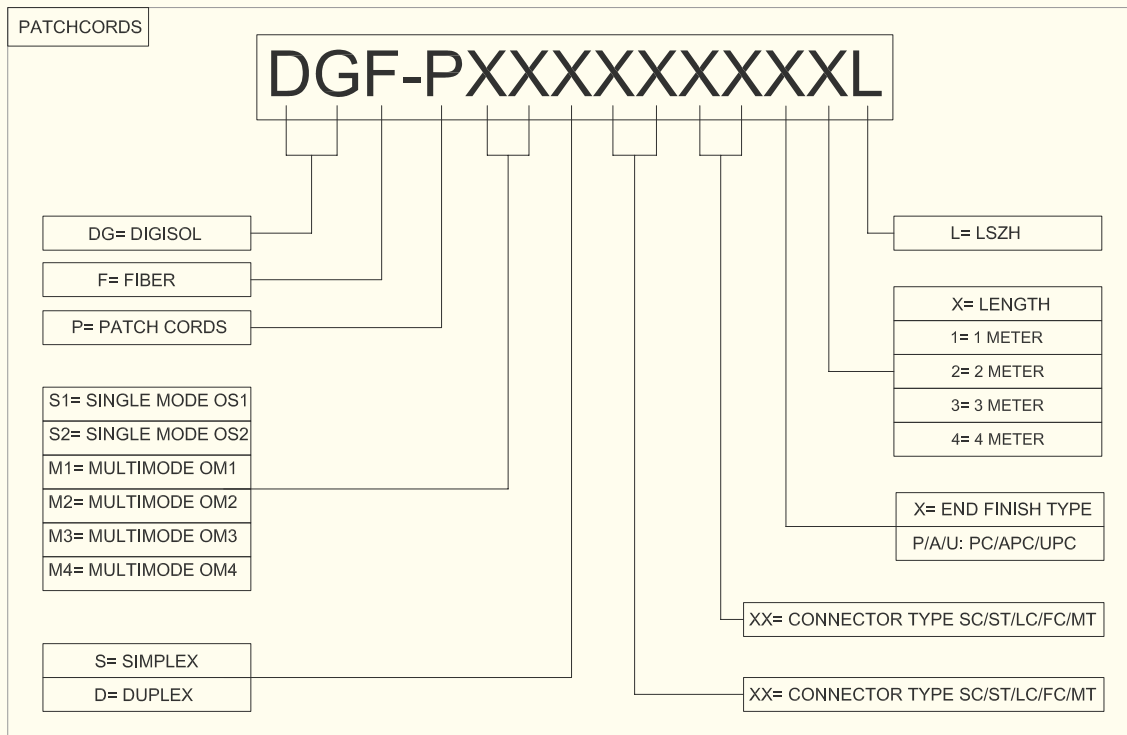


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Ordering Information:-

Part Codes	Description
DGF-PS2DSCSCP3L	DIGISOL Patch Cord, SM(OS2), Duplex SC-SC, PC Type, 3M, LSZH
DGF-PS2DLCSCP3L	DIGISOL Patch Cord, SM(OS2), Duplex LC-SC, PC Type, 3M, LSZH
DGF-PS2DLCFCP3L	DIGISOL Patch Cord, SM(OS2), Duplex LC-LC, PC Type, 3M, LSZH
DGF-PS2DSTSTP3L	DIGISOL Patch Cord, SM(OS2), Duplex ST-ST, PC Type, 3M, LSZH
DGF-PS2DLCFCP3L	DIGISOL Patch Cord, SM(OS2), Duplex LC-FC, PC Type, 3M, LSZH
DGF-PS2DFCFCP3L	DIGISOL Patch Cord, SM(OS2), Duplex FC-FC, PC Type, 3M, LSZH
DGF-PS2DSTFCP3L	DIGISOL Patch Cord, SM(OS2), Duplex ST-SC, PC Type, 3M, LSZH

DIGISOL is a Subsidiary of Smartlink Holdings Limited

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