



Patchcords and pigtails S and G type (Standard, Gold)

Patchcords and pigtails S and G type are produced on FIBRAIN branded connectors fully complying with norms: ISO/PN-EN 61754 and ISO/PN-EN 61755. Automatic process of components preparation as well as connectors polishing have influence on final product parameters. Restrictive quality and measurement verification process based on:

- Visual connectors' inspection through a Westover microscope, automatic scratches and surface detection program,
- Attenuation measurement of Insertion Loss IL and Return Loss RL - EXFOIQS 12001,
- Geometrical connectors measurement- Interferometer DAISI Datapixel,
- Final products comply with norm PN EN 50377.

Available with all kind of fiber optic connectors, fiber and cable types.

Application:

- Telecommunication network,
- LAN network,
- FTTH, FTTH, FTTD, FTTB, CWDM networks,
- CATV solutions.

Characteristic:

- High quality and transmission parameters repeatability,
- Good relationship quality-price,
- Compliance with norms: EN-50173-1, EIA/TIA 568, EN 50377.

Fibers type:

SM single mode:

G652D fiber with low water peak

G655 NZDS fiber for CWDM and DWDM transmissions,

G656 NZDS fiber for CWDM and DWDM transmissions,

G657A fiber with low bending radius for FTTH networks, compatible with G652,

G657B fiber with low bending radius for FTTH networks.

MM multimode:

50/125 OM2,

50/125 OM3,

50/125 OM3+/OM4,

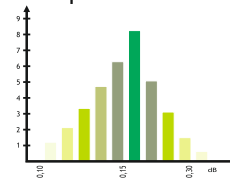
Giga optimized for 1310 nm transmission

1000Base-LX do 2000 m,

62.5/125 OM1.

Technical data, parameters:		
Attenuation of random taken connections dB Acc. IEC 61300-3-34	Attenuation towards reference connector dB Acc. IEC 61300-3-4	Reflection Atten. of reflectance dB Acc. IEC61300-3-6
Connectors SM: ST, SC, FC, LC, E2000, MU, DIN IL conn.-conn. 97% ≤ 0.45 dB Average ≤ 0.20 dB	IL max. ≤ 0.35 dB	RL PC > 45 RL UPC > 50
Connectors SM: MTRJ IL conn.-conn. 95% ≤ 0.6 dB Average ≤ 0.30 dB	IL max. ≤ 0.75 dB	RL PC > 35
Connectors SM MT: MTP, MPO IL conn.-conn. 97% ≤ 0.70 dB Average ≤ 0.35 dB		RL > 55
Connectors SM APC: SC/APC, FC/APC, LC/APC, E2000/APC, MU/APC, DIN/APC IL conn.-conn. 97% ≤ 0.45 dB Average ≤ 0.20 dB	IL max. ≤ 0.35 dB	RL APC > 65
Connectors MM: ST, SC, FC, LC, E2000, MU IL conn.-conn. 97% ≤ 0.70 dB Average ≤ 0.35 dB		RL PC > 30
Connectors MM: MTRJ IL conn.-conn. 97% ≤ 0.75 dB Average ≤ 0.50 dB		RL PC > 26
Connectors MM MT: MTP, MPO IL conn.-conn. 97% ≤ 1 dB Average ≤ 0.50 dB		RL PC > 26

Parameters of connectors' Gold/Super



G00 - Fiber type: G00 - gold S00 - std.	DX - Cable construction: SX - patchcord simplex DX - patchcord duplex P9 - pigtail 900 µm PS - pigtail simplex cable PD - pigtail duplex cable	OM4 - Fiber type: SM2 - G.652D 09/125 M50 - 50/125 OM2 M62 - 62,5/125 OM1 OM3 - 50/125 OM3 OM4 - 50/125 OM4 CC4 - 50/125 OM4 S7A - G.657A S7B - G.657B SCC - G.657C	18 - Cable diameter: 18 - 1.8 mm 20 - 2.0 mm 24 - 2.4 mm 28 - 2.8 mm 30 - 3.0 mm 09 - 0.9 µm	OR - Cable color: OR Y GR GY BL BK T R W	001.0 - Length [m]: 000.5 - 999.9	SC - Connector type A side:	SC - Connector type B side:
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Available connectors and their reference abbreviations:

Type: ST/UPC SC/UPC FC/UPC LC/UPC SC/APC 8 E2000/UPC E2000/APC FC/APC 8 LC/APC 8 MU/UPC MU/APC 8 MTRJ ESCON LX.5 LX.5/APC FDDI
Abbr.: ST SC FC LC SCA E20 MUA ESC LX5 LXAX FDD

G00/S00-DX-M50-18-OR-001.0-SC SC

Sample: Patchcord, type G, Duplex, 50/125 OM2, cable diameter 1.8 mm, orange coating, 1 m length, SC both sides connectorised.