

Optical Elements - PON

Optic multiplexers CWDM and DWDM in LGX casing

02



Optic multiplexers CWDM and DWDM in LGX casing

Fibrain LGX solutions facilitate easy management of optical passive elements installed in telecommunication and providers networks. Additional chief asset is very easy extension as well as flexibility of demanded configuration adjustment.

LGX products offer possibility of mounting within one frame integrated multiplexers CWDM and DWDM.

Applications:

- WDM systems,
- telecommunication networks,
- CATV networks,
- optic amplifiers,
- measuring equipment,
- metropolitan networks.

Features:

- easy management of PON elements,
- clear description of PON elements installed,
- easy extension and development,
- dedicated and hybrid solutions.

LGX casing:		
Type	LGX1	LGX2
Height [mm]		100
Depth [mm]		158.50
Width [mm]	29	58
Mounting	19" or 21"	
Color	RAL7035*	

*Other colors available on request

Shelves options for LGX modules:				
Type	Height [mm]	Depth [mm]	Width [mm]	Color
LGX-1U-3-P	43.70	53.40	483	RAL7035*
LGX-2U-6-P	89	70	483	RAL7035*
LGX-3U-14-P	132	40	483	RAL7035*
LGX-4U-14-P	178	70	483	RAL7035*
LGX-1U-3-R	43.70	180	483	RAL7035*
LGX-2U-6-R	89	197	483	RAL7035*
LGX-3U-14-R	132	197	483	RAL7035*
LGX-4U-14-R	187	197	483	RAL7035*



028

Casing: LGX1 LGX2 LGX3	Device type: CW - CWDM DW - DWDM	CWDM split: 0004 - 4ch 0008 - 8ch 0016 - 16ch 1004 - 4ch + 1310 nm 1104 - 4ch + 1310 + 1/99 monitor 1114 - 4ch + 1310 + 1/99 + upgrade 1260 - 1457 nm 1124 - 4ch + 1310 + 1/99 + upgrade 1460 - 1610 nm	DWDM split: 0004 - 4ch 0008 - 8ch 0016 - 16ch 0032 - 32ch
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LGX1 - G0 - CW - 1 - 0003 - MUX - 47 - 51 - SC - SC

Quality: S0/S1 G0/G1 T0/T1 P0/P1	Fiber: 0 - 250 μm 1 - 900 μm 2 - 2,0 mm 3 - 3,0 mm	Type CWDM: MUX - mux DUX - dmux MDUX - mux/dmux CMUX - compact mux CDUX - compact dmux ADD DROP OADM Type DWDM: M10 - mux 100 GHz M20 - mux 200 GHz D10 - demux 100 GHz D20 - demux 200 GHz A10 - add 100 GHz A20 - add 200 GHz O10 - OADM 100 GHz O20 - OADM 200 GHz	CWDM starting channel: 47 - 1470 nm 49 - 1490 nm 51 - 1510 nm xx - other DWDM starting channel: 21 - 21 channel ... 65 - 65 channel	CWDM end channel: 47 - 1470 nm 49 - 1490 nm 51 - 1510 nm xx - other DWDM end channel: 21 - 21 channel ... 65 - 65 channel	Connector type: ST SC SCA FC FCA LC LCA E20 E2A x - other	Connector type: ST SC SCA FC FCA LC LCA E20 E2A x - other
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LGX1-G0-CW-1-0008-MUX-47-51-SC-SC

Example: CWDM multiplexer in single width LGX, 3 channels, starting channel 1470, end channel 1510, SC PC connectors

Fiber Optical Cables
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