

## 1x32 PLC Splitters for GPON, XGS-PON, NG-PON2, FTTx

Planar light wave circuit (PLC) splitter is a type of optical power management device that is fabricated using silica optical waveguide technology to distribute optical signals from Central Office (CO) to multiple premise locations. It features small size, high reliability, wide operating wavelength range and good channel-to-channel uniformity, and is widely used in FTTx, PON, GPON, XGS-PON, and NG-PON networks to realize optical signal power splitting as a low-cost solution. Fiberdyne Labs offers 1x32 PLC Splitters in multiple packaging options. All products meet GR-1209-CORE and GR-1221-CORE requirements.

Specifications	1 x 32
Operating Wavelength	1260-1650
Fiber Type	G.657 A
Insertion Loss (dB)	16.5
Loss Uniformity (dB)	1.5
Return Loss (dB)	55
Polarization Dependent Loss (PDL, dB)	0.3
Directivity (dB)	55
Wavelength Dependent Loss (dB)	0.5
Temperature Stability (-40 — 85 °C) (dB)	0.5
Operating Temperature (°C)	-40 ~ 85
Storage Temperature (°C)	-40 ~ 85



ONT 1x32 PLC Splitter Package Options			
Product Description	Package Type	Connectors	Part Number
Fiberdyne Labs 1x32 PLC Splitter Device, 1 Meter Bare Fiber Input, (4) 1 Meter Ribbon Fiber Outputs, 250um, No Connectors	Steel Tube 50 x 7 x 4 mm	None	FPD-132-B10R10-00
Fiberdyne Labs 1x32 PLC Splitter Device, 1 Meter Bare Fiber Input, 1 Meter Ribbon Bare Fiber Outputs, 250um, No Connectors	Steel Tube 50 x 7 x 4 mm	None	FPD-132-B10B10-00
Fiberdyne Labs 1x32 PLC Splitter Device, 2.5 Meter Bare Fiber Input, 2.5 Meter Ribbon Bare Fiber Outputs, 250um, No Connectors (Compatible with Commscope® PN: CC8312-000 / OCC1P-132-NNNQNF for use in Commscope® FOSC Closures)	Steel Tube 50 x 7 x 4 mm	None	FPD-132-B25B25-00
Fiberdyne Labs 1x32 PLC Splitter Pigtail Module, 80 x 20 x 6mm Mini Module, 1 Meter 900um Loose tube Fiber Input, 1 Meter 900um Loose tube Fiber Outputs, No Connectors	Mini Module 80 x 20 x 6 mm	None	FPP-132-MM091010-00
Fiberdyne Labs 1x32 PLC Splitter Pigtail Module, 80 x 20 x 6mm Mini Module, 1 Meter 900um Loose tube Fiber Input, 1 Meter 900um Loose tube Fiber Outputs, SC/APC Connectors	Mini Module 80 x 20 x 6 mm	SC/APC	FPP-132-MM091010-44
Fiberdyne Labs 1x32 PLC Splitter Pigtail Module, 120 x 80 x 18mm ABS Module, 1 Meter 2.0mm Fiber Input, 1 Meter 2.0 mm Fiber Outputs, SC/APC Connectors	ABS 120 x 80 x 18 mm	SC/APC	FPP-132-PM201010-44
Fiberdyne Labs 1x32 PLC Splitter Waterproof Pigtail Module, 120 x 80 x 18mm ABS Silicon Potted Module, 1 Meter 2.0mm Fiber Input, 1 Meter 2.0 mm Fiber Outputs, SC/APC Connectors	ABS 120 x 80 x 18 mm (Silicon Potted)	SC/APC	FPP-132-WM201010-44
Fiberdyne Labs 1x32 PLC Splitter 1U 19/23" Rackmount Box, SC/APC Adapters	1U 19/23" Rack mount Box	SC/APC	FP4-71044-00
Note: Specifications subject to change. For additional options including other connectors types, other packaging, other split ratios please contact sales@fiberdyne.com Tel: (800) 894-9694			

