

Ruggedized PLC Splitter



A Unique Combination of Robust Performance and Flexibility for FTTx Applications

The Ruggedized PLC Splitter offered by OFS provides a truly flexible solution addressing the needs of today's FTTx networks. Combining the optical splitter expertise of Furukawa Electric Company with the connectivity and packaging capabilities of OFS, the ruggedized splitter offers superior optical performance in a flexible, yet easy-to-manage package. The use of this ruggedized splitter allows for rapid installation into traditional closure splice trays.

The additional outer housing improves on the environmental stability of the traditional splitters for Outside Plant (OSP) applications. The "upjacketed" fiber legs provide extra protection for the bare fiber. Because of the increased mechanical stability and the **bend insensitive fiber**, the rugged fiber legs allow for quick routing between splice trays with minimal optical performance impact. There is no need to prepare the splitter leg with special tubing. The installer can simply route these rugged ends within the closure and secure them.

The OFS' ruggedized splitter is a **full spectrum** (1260 – 1650 nm) component available in multiple configurations to meet customer requirements. These splitters also utilize Flame Hydrolysis Deposition (FHD) technology, insuring better thermal stability. Designed to meet the demanding requirements of both inside and OSP applications, the splitter module meets Telcordia GR-1221-CORE and GR-1209-CORE requirements.



Ruggedized Splitter within Splice Tray (colors vary)

1X32 Splitter Module Specifications:

Operating Wave Length:	1260 – 1650 nm	
Max Insertion Loss (max.):	16.20 dB	
Uniformity:	1.6 dB	
PDL (max.):	0.3 dB	
Return Loss (min.) ¹ :	50 dB	
Directivity (min.) ¹ :	50 dB	
Operating temperature:	Min. -40°C	Max. 75°C
Storage temperature:	Min. -40°C	Max. 85°C

¹ Without Connectors

Features & Benefits

- The Ruggedized PLC Splitter maximizes closure tray utilization
 - More splitters per tray
- Modular approach provides cost effective incremental growth
 - Improves and simplifies fiber routing
- The PLC splitters are Telcordia GR-1221-CORE, GR-1209-CORE tested
 - Support industry standard applications
 - Long term reliability assurance
- Low insertion loss and reflectance
 - Support high-speed applications
 - Support longer link lengths
- Solution-based engineering support to meet all FTTx networking requirements
 - Offer unique designs and configurations
 - Customer specific application engineering
- Universal solution
 - Simplified stocking/replacement inventory

Take advantage of years of knowledge behind the PLC device!

Over 40,000 PLCs have been produced by the Furukawa Electric Company using FHD technology. FHD helps keep the water out and enables superior performance in OSP applications.



Configured with Bend Insensitive Fiber!

Bend Performance (1550 nm):

<i>Bend Radius</i>	<i>Number of Turns at Bend Radius</i>	<i>Loss</i>
30 mm	10	.1 dB
20 mm	10	.5 dB

For additional information please contact your sales representative. You can also visit our website at <http://www.ofsoptics.com> or call 1-888-fiber-help.

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Marketing Communications
fap-229-0806

