UHD Cassettes

Loaded with PLC splitters, output adapters and with pre-terminated input

A BELDEN BRAND

Features & Benefits

- Ultra-high density design for maximum space efficiency
- Supports multiple splitter configurations: 4x1:2, 2x1:4, and 1x1:8
- Fully compatible with all PPC UHD and SKS UHD chassis and panels
- Pre-connectorized cassettes for quick and easy installation
- PLC splitters compliant with Telcordia GR-1209 & GR-1221 standards
- Significantly decreases overall space requirements
- Provides flexibility to meet specific network requirements
- Enhances scalability for future network expansions
- Tool-free installation
- Slim 1.4 mm cable diameter
- Custom splitter, adapter, and connector configurations available on request



Image similar
Multiple splitter, adapter, connector configurations available

Overview

The PPC Plug & Play UHD Splitter Cassettes offer ultra-high density and splitter ratios between 1:2 to 1:8 and are fully compatible with all chassis and panels in the PPC UHD and SKS UHD product lines. The pre-connectorized modules are ideal solutions for applications that demand high density and ultra low loss performance, eliminating the added cost and insertion loss from using patch cables and significantly decreasing the overall space requirements.

Planar Lightwave Circuits (PLC) splitters are manufactured using silica glass waveguide circuits and extremely precise alignment of optic fibers in very small package. They split or combine light from one or two incoming fibers to multiple numbers of outgoing fibers. They perform uniformly over a wide spectral range, with ultra-low losses. Splitters are highly compact, reliable and available in very wide range of fiber and connector types. All PPC PLC splitters are fully compliant with the Telcordia GR-1209 & GR-1221 standard.

Optical Data

Parameter	Value		
Operating Wavelength	1260 ~ 1650 nm		
Return Loss	≥55 dB		
Directivity	≥55 dB		
Operating / Storage Temperature	-40 ~ + 65°C (-40 ~ +149°F)		
Maximum Input Power	500 mW		
Fiber Type	G.657.A1		
Wavelength Dependent Loss	0.3 dB		
Temperature Loss	0.5 dB		
Connector Loss	0.3 dB		
	1:2	1:4	1:8
Insertion Loss	3.8 dB	7.0 dB	10.4 dB
Channel Uniformity	0.6 dB	0.6 dB	0.8 dB
Polarization-Dependent Loss	0.2 dB	0.2 dB	0.2 dB

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Environmental Data

Operation Temperature	2011/65/EC RoHS	Standard Compliance
-40 ~ + 65°C (-40 ~ +149°F)	Fully compliant	GR 1209, 1221

Ordering Information

Part Number	Description
MC41020RLAULA17M	UHD cassette with 4 x 1:2 PLC splitters, pre-terminated LC-APC connector input, LC-APC adapter output, 1,7m
MC21040RLAULA17M	UHD cassette with 2 x 1:4 PLC splitters, pre-terminated LC-APC connector input, LC-APC adapter output, 1,7m
MC11080RLAULA17M	UHD cassette with 1 x 1:8 PLC splitter, pre-terminated LC-APC connector input, LC-APC adapter output, 1,7m

Other splitter, adapter, connector configurations - on request

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These products may be protected by one or more patents. For further information, please visit: www.ppc-online.com/patents

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