UHD Cassettes

Loaded with PLC splitters, input and output adapters

A BELDEN BRAND

Features & Benefits

- Ultra-high density design for maximum space efficiency
- Supports multiple splitter configurations: 2x1:2, 4x1:2, 1x1:4, 2x1:4 and 1x1:8
- Fully compatible with all PPC UHD and SKS UHD chassis and panels
- 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
- Custom splitter and adapter configurations available on request



Image similar
Multiple splitter, adapter 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 modules are ideal solutions for applications that demand high density and ultra low loss performance.

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

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

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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
MC41020RLAULA	UHD cassette with 4 x 1:2 PLC splitters, LC-APC adapter input, LC-APC adapter output
MC41020RLUULU	UHD cassette with 4 x 1:2 PLC splitters, LC-UPC adapter input, LC-UPC adapter output
MC21020RSAUSA	UHD cassette with 2 x 1:2 PLC splitters, SC-APC adapter input, SC-APC adapter output
MC21020RSUUSU	UHD cassette with 2 x 1:2 PLC splitters, SC-UPC adapter input, SC-UPC adapter output
MC21040RLAULA	UHD cassette with 2 x 1:4 PLC splitters, LC-APC adapter input, LC-APC adapter output
MC21040RLUULU	UHD cassette with 2 x 1:4 PLC splitters, LC-UPC adapter input, LC-UPC adapter output
MC11040RSAUSA	UHD cassette with 1 x 1:4 PLC splitter, SC-APC adapter input, SC-APC adapter output
MC11040RSUUSU	UHD cassette with 1 x 1:4 PLC splitters, SC-UPC adapter input, SC-UPC adapter output
MC11080RLAULA	UHD cassette with 1 x 1:8 PLC splitter, LC-APC adapter input, LC-APC adapter output

Other splitter, adapter, connector configurations - on request

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