



Product: [FC3U12LDMF1A](#)

FX Ultra Cassette OM3 12P MPO-12(F)

Product Description

FX ULTRA CASSETTE, OM3, 12 PORTS, MPO-12 (FEMALE), LC DUPLEX, TYPE-A ALT, AQUA ADAPTERS

Technical Specifications

Product Overview

Environmental Space:	Indoor
Suitable Applications:	FiberExpress Ultra Solutions, Backbone, Telecommunications Room, Main Distribution Room, Data Centers

Construction

Fiber Cable Construction

Fiber Type	
OM3	
Weight:	0.657 lbs
Height:	1.5 in
Width:	4.5 in
Length:	6.6 in

Physical Specifications

Max Capacity:	24 Fibers, 12 LC Duplex Ports
---------------	-------------------------------

Mechanical Characteristics

Front Connection:	1 Inch Pullout
-------------------	----------------

Temperature Range

Operating Temperature Range:	-10°C to 60°C
Storage Temperature Range:	-10°C to 75°C

Product Material

Materials

Description	Material	Color	Type
Rear Connector Body	Plastic - UL94V-0	Aqua	MPO Female
Adapter Sleeve	Zirconia-Ceramic		
Front Connector Body	Plastic - UL94V-0	Aqua	LC Duplex
Cassette Assembly	Plastic - UL94V-0	Black	

Transmission-Characteristics

Polarity Identification:	Type-A ALT
--------------------------	------------

Fiber Connector Performance

Description	Connector Type	Max. Insertion Loss	Min. Return Loss
Patch Side	LC Duplex	0.25 dB	-30 dB
Trunk Side	MPO12(F)	0.35 dB	-30 dB

Standards

EU Directive 2011/65/EU (RoHS 2):	Yes
MII Order #39 (China RoHS):	EUP 50

Related Part Numbers

Related Parts:	FX UHD & FXU Patch Panels, FX MPO Trunks
----------------	--

Variants

Item #	Color	Connector Type	Polarity Identification
FC3U12LDMF1A	Aqua	LC Duplex	Type-A Alternate

Product Notes

Packaging:	Individually packaged in a plastic shell. Shipped in cardboard box (14/box)
Notes:	Please refer to the label on the back of the cassette for appropriate front port number configuration

History

Update and Revision:	Revision Number: 0.18 Revision Date: 02-21-2024
----------------------	---

© 2025 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.