

HMA-J to LC adapter

Description:

The OPTOKON HMA-LC Adapters are designed to convert legacy LC connector design to the increasingly popular Expanded Beam technology. The adapters are compatible with existing LC connectors.

The compact size eliminates the need for hybrid jumper cables while supporting up to four channels of multimode and single mode fiber. HMA hermaphroditic cable end allows quick and easy configuration of cables in the field. The adaptors mate with the OPTOKON HMA Expanded Beam series.

The OPTOKON HMA connector series is designed for connection of the nodes of tactical network by the help of cables with optical fibers. The used Expanded Beam technology preserves all advantages of signals transmission through the optical lines in field harsh environmental conditions. Additionally to military optical networks the HMA is suited for a vast array of applications, like heavy industry connections, petrochemical application, broadcasting temporary optical lines. The HMA-J connector functionality is based on MIL-STD-83526 standard.

Features:

- Conversion from Expanded Beam to LC technology
- Hermaphroditic HMA interconnection
- 2 or 4 fiber channels Single mode or Multimode
- Rugged connector design
- EB fullfils MIL-STD-83526

Application:

- Military communications
- Broadcast
- Industrial
- Petrochemical



Ordering code:

HMA-J-XX / LC	-	X(SM, M5)
BN bulkhead jam nut		X 2 or 4 fiber number
BF bulkhead flange		

Specifications:

HMA interface	
Insertion Loss	9/125 @ 1310/1550 nm: 1.0 typ., 2.0 dB max 50/125 @ 1300 nm: 0.75 typ., 1.5 dB max
Return Loss	9/125 @ 1310/1550 nm > 32 dB (typical 40 dB) / >20 dB multimode
LC interface	
Insertion Loss	SM Ultra PC, Grade B: 0.12 dB typ., 0.25 dB 97% MM PC, 0.50 dB max
Return Loss	SM > 50 dB, MM >20 dB