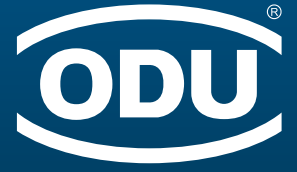


ODU FIBER OPTIC

Expanded Beam Performance



ODU AMC® Series T

- + Fiber types: Singlemode and Multimode
- + Configurations: Up to 12 fibers
- + Outstanding optical performance



The ODU AMC® Series T Expanded Beam Performance is an advanced fiber optic solution. It offers high-end transmission characteristics over many mating cycles. The excellent optical performance remains unchanged even under mechanical stress, environmental influences and harsh ambient conditions.

MECHANICAL CHARACTERISTICS / ENVIRONMENTAL DATA

Mating cycles	5,000*
IP class in mated condition	IP6K8
Operating temperature	-40 °C to +85 °C
Vibration	MIL 810G 20 g

* Contact transition allows up to 25,000 mating cycles with cleaning every 5,000 mating cycles under controlled conditions. Specifics of the connector series may deviate.

OPTICAL CHARACTERISTICS

		Typical	Max.
Insertion loss	SM	< 0.35 dB	< 0.7 dB
	MM	< 0.15 dB	< 0.3 dB
		Typical	Min.
Return loss	SM	> 60 dB	≥ 55 dB
	MM	> 45 dB	≥ 35 dB

CABLE SPECIFICATION

	Singlemode	Multimode
Fiber	G.657A2	OM4
Jacket	LSZH black	
Cable diameter	6.0 ± 0.2 (mm)	
Min. bending radius (static)	60 mm	
Min. bending radius (dynamic)	120 mm	

As digitalization is progressing, the demands on high-performance and interference-free data networks are growing, too. ODU Fiber Optic technologies enable maximum data transmission and minimum latency to be combined with a range of future-oriented functionalities.

THE ODU FIBER OPTIC PORTFOLIO

When it comes to harsh environments, we can offer a solution with our expanded beam technology that can be easily cleaned and maintains their high performance for up to 100,000 mating cycles.

The portfolio also includes reliable physical contact technology that is characterized by very low insertion loss, which makes up to 1,000 mating cycles possible. For short transmission distances, polymer optical-fiber system solutions are also available as a cost-efficient optical connection.

- GOF (multimode/singlemode) and POF system solutions
- Fiber-only and hybrid systems
- High number of mating cycles
- Available in the ODU MEDI-SNAP®, ODU MINI-SNAP®, ODU AMC® and ODU-MAC® Series
- Available as a fully assembled solution

Modular fiber optic solutions



APPLICATION AREAS

ODU Fiber Optic is ideally suited to military and security technology, industrial outdoor applications and mass interconnect solutions such as the ODU-MAC® Black-Line. The technologies are available in circular connectors,

modular connectors as well as customized connectors. We've developed fiber optic (fiber-only) and hybrid connection solutions. These are designed as fully assembled solutions to fit each application and ensure a flawless connection.

The ODU Fiber Optic portfolio also includes solutions for circular connectors and the ODU-MAC®. Polymer optical fiber, physical contact and expanded beam configurations are available.



GET CONNECTED

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