









VIAVI

ODC[®] Connector Inspection Solutions

ODC-2, ODC-4, Q-ODC-2, and Q-ODC-12 connectors

ODC* (outdoor connectors) are increasingly being used in field applications. These connectors come in various configurations, depending on the fiber count in the respective cables. Common configurations include the ODC-2, ODC-4, Q-ODC-2 and Q-ODC-12. These connectors are hardened for outdoor use and contain multiple fibers. An ODC interconnect is made up of two different interfaces: a plug side and a socket side.

ODC-2		ODC-4		Q-ODC-2		Q-ODC-12	
Uses a "plug & socket" type configuration to house 2 fibers inside a screw-lock connector		Uses a "plug & socket" type configuration to house 4 fibers inside a screw-lock connector		Uses a "plug & socket" type configuration to house 2 fibers inside a push-pull quick-lock connector		Uses a multi-fiber MT style ferrule to house 12 fibers inside a push-pull quick-lock connector	
							
ODC-2 Plug	ODC-2 Socket	ODC-4 Plug	ODC-4 Socket	Q-ODC-2 Plug	Q-ODC-2 Socket	Q-ODC-12 Plug	Q-ODC-12 Socket

ODC & Q-ODC connector images courtesy of HUBER+SUHNER

*ODC is a registered trademark of HUBER+SUHNER



These ODC connectors can all be inspected with probe microscopes from VIAVI Solutions.

- Easily access connections in any location
- Single-hand operation
- Certify end face quality to customer requirements at the push of a button
- Automated inspection for all fibers in the connector
- Prove your quality of work with objective analysis
- Locate and identify defects and scratches
- Identify inspection zone locations
- Integrate results into your certification reports


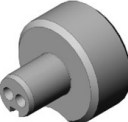

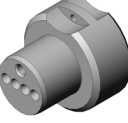
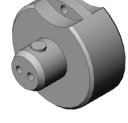
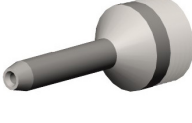


Watch this video to see how to use the Sidewinder to inspect Q-ODC connectors



Sidewinder™ inspecting a Q-ODC-12 Plug

ODC-2, Q-ODC-2 and ODC-4 Inspection

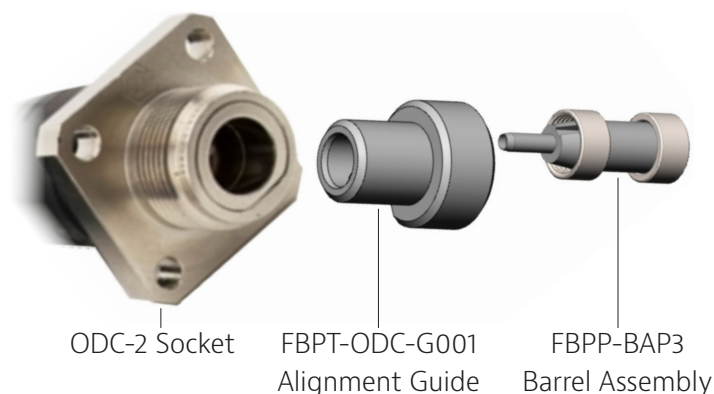
Connector	VIAVI Part Number	Product Image	Barrel Assembly Required	Scope Compatibility
ODC-2 Plug	FBPT-ODC-G001		FBPP-BAP3*	P5000i FiberChek™ probe
ODC-2 Socket	FBPT-ODC-G002			
ODC-4 Plug	FBPT-ODC-G003		FBPP-BAP3**	
ODC-4 Socket	FBPT-ODC-G004			
Q-ODC-2 Plug (Single mode)	FBPT-ODC-G101 guide		FBPP-BAP3	
Q-ODC-2 Socket (Single mode)	FBPT-U12M-N tip			

Recommended kit configurations:

* FBPT-ODC-2 is a kit containing FBPT-ODC-G001, FBPT-ODC-G002, FBPP-BAP3

** FBPT-ODC-4 is a kit containing FBPT-ODC-G003, FBPT-ODC-G004, FBPP-BAP3

Alignment guides are used to inspect ODC-2 and ODC-4 connectors



- Ensures proper inspection alignment
- Prevents breaking ferrules on the plug side
- Adds stability when inspecting the socket side
- Used with FBPP-BAP3
- Used in conjunction with P5000i and FiberChek probe microscopes

Q-ODC-2 and Q-ODC-12 Inspection

Connector	VIAVI Part Number	Product Image	Scope Compatibility
Q-ODC-2 Plug (Single mode)	FCPT-QODC2-P		Sidewinder
Q-ODC-2 Socket (Single mode)	FCPT-QODC2-S		
Q-ODC-12 Plug (Multimode)	FCPT-ODC12-P		
Q-ODC-12 Socket (Multimode)	FCPT-ODC12-S		
Q-ODC-12 Plug (Single mode)	FCPT-ODC12A-P		
Q-ODC-12 Socket (Single mode)	FCPT-ODC12A-S		

Q-ODC-2 tips attach directly to the Sidewinder for inspecting the plugs and sockets



Slide the tip over the lens

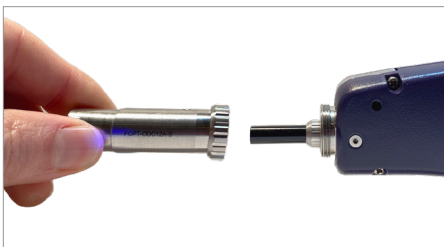


Attach the tip by tightening collar



Sidewinder with FCPT-QODC2-S inspecting one of the sockets in a Q-ODC-2 socket connector

Q-ODC-12 tips attach directly to the Sidewinder for inspecting the plugs and sockets



Slide the tip over the lens



Attach the tip by tightening collar



The Sidewinder will automatically inspect all 12 of the fibers in the Q-ODC-12 connector