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› Autonics FTW11-210-10R Fiber Optic Cable User Manual

AUTONICS FTW11-210-10R

Autonics FTW11-210-10R Fiber Optic Cable User Manual

Model: FTW11-210-10R | Brand: AUTONICS

1. INTRODUCTION

This user manual provides essential information for the proper installation, operation, and maintenance of the Autonics FTW11-210-10R Fiber Optic Cable. Please read this manual thoroughly before using the product to ensure safe and efficient performance. Retain this manual for future reference.

2. PRODUCT OVERVIEW

The Autonics FTW11-210-10R is a high-quality fiber optic cable designed for reliable data transmission. It features a robust construction suitable for various industrial and scientific applications. This cable is characterized by its male-to-male connector gender and round shape, provided as a single unit.



This image displays two identical units of the Autronics FTW11-210-10R Fiber Optic Cable. Each unit consists of a black, rectangular sensor head with two circular mounting holes, connected to a thin black cable. The design suggests a compact and robust construction suitable for industrial applications.

3. SETUP

Follow these general guidelines for setting up your fiber optic cable:

1. **Inspection:** Before installation, carefully inspect the cable and connectors for any visible damage or debris.
2. **Cleaning:** Ensure all connector end faces are clean. Use appropriate fiber optic cleaning tools and methods to

remove dust, oil, or other contaminants. A clean connection is crucial for optimal performance.

3. **Connection:** Gently insert the male connectors into their corresponding female ports on your devices. Ensure a secure and firm connection without excessive force. Avoid bending the cable beyond its minimum bend radius to prevent damage to the optical fibers.
4. **Routing:** Route the cable in a manner that avoids sharp bends, kinks, or areas where it might be pinched or stepped on. Use cable management solutions if necessary.

4. OPERATING

The Autonics FTW11-210-10R Fiber Optic Cable facilitates the transmission of optical signals between compatible devices. Once properly connected, the cable operates passively, transmitting light signals from one end to the other.

- **Signal Transmission:** The cable transmits data as pulses of light, offering high bandwidth and immunity to electromagnetic interference.
- **Compatibility:** Ensure that the devices you are connecting are compatible with fiber optic cables and the specific connector type (male-to-male) of the FTW11-210-10R.
- **Environmental Considerations:** While robust, avoid exposing the cable to extreme temperatures, excessive moisture, or harsh chemicals unless specified for such conditions.

5. MAINTENANCE

Proper maintenance extends the lifespan and ensures the performance of your fiber optic cable:

- **Connector Cleaning:** Regularly clean the connector end faces using specialized fiber optic cleaning kits. Even microscopic dust particles can significantly degrade performance.
- **Physical Inspection:** Periodically inspect the entire length of the cable for any signs of physical damage, such as cuts, abrasions, or severe bends.
- **Storage:** When not in use, store the cable in a clean, dry environment, preferably coiled loosely to prevent kinks. Use dust caps on connectors to protect them from contamination.
- **Handling:** Always handle the cable by its body, not by the connectors or the fiber itself.

6. TROUBLESHOOTING

If you experience issues with your fiber optic cable, consider the following troubleshooting steps:

- **No Signal/Intermittent Signal:**
 - **Check Connections:** Ensure both ends of the cable are securely and correctly plugged into their respective ports.
 - **Clean Connectors:** Dirty connectors are a common cause of signal loss. Clean them thoroughly as described in the Maintenance section.
 - **Inspect for Damage:** Look for any visible damage to the cable, such as sharp bends, kinks, or cuts. Damaged fibers cannot transmit light effectively.
 - **Test with Another Cable/Device:** If possible, test the cable with another known working device, or test your devices with a different fiber optic cable to isolate the problem.
- **Poor Performance:**
 - **Verify Compatibility:** Confirm that the cable specifications (e.g., fiber type, connector type) match the requirements of your connected devices.

- **Environmental Factors:** Ensure the cable is not exposed to conditions outside its operational specifications (e.g., extreme temperatures).

If issues persist after performing these checks, contact Autonics customer support or a qualified technician.

7. SPECIFICATIONS

Specification	Detail
Brand	AUTONICS
Model	FTW11-210-10R
Cable Type	Fiber Optic
Connector Gender	Male-to-Male
Shape	Round
Unit Count	1 Count
ASIN	B07N8ZW9VH
Date First Available	August 21, 2020

8. WARRANTY AND SUPPORT

For information regarding product warranty, please refer to the documentation included with your purchase or visit the official Autonics website. For technical support, service, or inquiries, please contact Autonics customer service directly through their official channels.

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Model number, symptoms, what you tried, or the section of the manual you are using.

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