

Oxygen and Fuel Gas Hoses

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It is a common practice to tape oxygen and fuel gas hoses together for ease of handling and to prevent tangling. However, taping needs to be limited so a thorough inspection can be made of the hoses, color identification can be made and to ensure that adequate ventilation exists around the hoses.

OSHA standard 1910.253 (e) (5) (ii) - **Oxygen-Fuel Gas Welding and Cutting** and ANZI standard Z49.1: 2005, 10.6.3 **Safety in Welding, Cutting, and Allied Processes** establishes the limits for taping. Both standards include the same basic language and therefore only the language from the ANSI standard is included below.

10.6.3 Taping. When parallel lengths of oxygen and fuel gas hose are taped together for convenience and to prevent tangling, not more than 4 inches (100 millimeters) in each 12 inches (300 millimeters) shall be covered by tape.

It is important to follow this standard because it will leave 2/3 of the hoses visible for inspection, allow for color identification of hoses, and will provide for adequate ventilation to prevent gas entrapment in the event of hose leaks.