

OT100

OT Tubing



OT100 Tubing

The OT Tubing (OT) is used to transport air sample packets from the test area location back to the Air Data Router (ADR). This tubing is dimensionally stable to allow for reliable use of push-to-connect fittings, is plenum rated, and can be installed in accordance with NFPA, Standard 90A. The tubing provides a cost-effective solution for environments where carbon monoxide (CO) and/or carbon dioxide (CO₂) levels are being monitored. The characteristics of the OT Tubing make it inappropriate for accurately measuring total volatile organic compounds (TVOC), particle counts, and dewpoint. The absence of interlaced low voltage conductors does not allow discrete temperature readings to be taken at the test area location.

Features



Plenum rated for new and existing construction.



Flexible, lightweight and rugged.

Green stripes for easy identification.



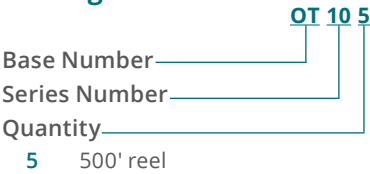
Easy to install. No special tools or installation techniques are required.



Dimensionally stable to support reliable connections via push-to-connect fittings.

Printed with running length markings required for installation.

Ordering Guide



Cable/Tubing Compatibility Chart

	RS200	AWP200	DPB200	DPB300
OSC100	✓	✓ ‡	✓	✓ ‡
MD100	X	✓ †‡	✓ †	✓ †‡
OT100	✓ †	✓ †‡	✓ *†	✓ *†‡

* Requires Enlarger Fitting (OT-E11) to interface with probe
† Tubing does not support probes with discrete temperature sensors
‡ Probe does not feature discrete temperature sensor. Temperature and all calculated virtual points requiring temperature are not supported.
X Not Supported

Specifications

OT Tubing

Black with 4 green stripes for easy identification

Mechanical

Tubing dimensions: 0.375" OD x 0.25" ID (0.95 OD x 0.64 ID cm)
Maximum pull tension: 67 lbf (298 N)
Minimum bend radius: 2.0" (5.08 cm)
Cross sectional area: 0.110 sq in (0.71 sq cm)

Printed running footage marking: 2' (0.61 m)
Weight (approximate): 500' (152.4 m) reel: 18 lbs (8.2 kg)
Operating temperature range (for indoor use only):
40°–120°F (4.4°–49°C)

Regulatory Compliance
NFPA 90A, UL 94V-2, UL 1820
CE

Accessory Items for OT Tubing

	OT-C12 Elbow Coupler Fittings Kit	OT-C11 Coupler Fittings Kit	OT-E11 Enlarger Fittings Adapter Kit
			
Description	The OT-C12 Elbow Coupler Fittings are used to join two lengths of OT Tubing. The Elbow Coupler Fittings Kit consists of ten elbow coupler fittings. Recommended order quantity is one for 2,500' (762 m) of OT100.	The OT-C11 Coupler Fittings are used to join two lengths of OT Tubing. The Coupler Fittings Kit consists of ten straight coupler fittings. Recommended order quantity is one for 2,500' (762 m) of OT100.	The OT-E11 Enlarger Fittings are used to attach to the Duct Probe or AirDataRouter test area connections to allow for the connection of OT Tubing. The Enlarger Kit consists of ten enlarger fittings. Recommended order quantity is one for each ten connections being made.
Features	• Push-fit technology • Superior flow characteristics	• Push-fit technology • Superior flow characteristics	• Push-fit technology • Superior flow characteristics
Ordering Guide	Order Number <u>OT-C12</u>	Order Number <u>OT-C11</u>	Order Number <u>OT-E11</u>
Specifications	Kit Includes Ten Elbow Fittings Dimensions: 0.375" (0.95 cm) OD tube	Kit Includes Ten Straight Coupler Fittings Dimensions: 0.375" (0.95 cm) OD tube	Kit Includes Ten Enlarger Fittings Dimensions: 0.3125" (0.79 cm) stem to 0.375" (0.95 cm) fitting