TraceTek.

TT1000

TraceTek® water-sensing cable

TraceTek® TT1000 sensing cables detect the presence of water at any point along their length. Installed with a TraceTek alarm and locating module, the cable senses water intrusion, triggers an alarm, and pinpoints the location.

Distributed sensing

TT1000 sensing cables provide distributed leak detection and location over a wide range of areas. The cable is available in a variety of lengths to provide as much coverage as needed.
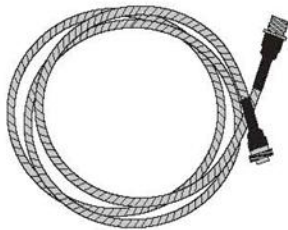
Design flexibility

TT1000 sensing cable is supplied with factory-installed plastic connectors that plug together. The cable is designed for a range of applications, including data center subfloors, telecommunication rooms, HVAC equipment locations, pipes, electrical vaults, storage areas, tanks, and roofs. The cable is small, lightweight, and flexible, allowing easy installation. The smooth design allows for quick drying.

Advanced technology

The Raychem® conductive-polymer technology and fluoropolymer construction make TT1000 sensing cable mechanically strong and resistant to corrosion and abrasion. The cable is constructed of two sensing wires, an alarm signal wire, and a continuity wire embedded in a fluoropolymer carrier rod. The alarm module constantly monitors the sensing cable for continuity. The rugged cable construction exposes no metal, and enables the cable to be reused even in corrosive environments.

Ordering Information

TT1000 modular sensing cable with factory-installed connectors

Catalog number	Description
TT1000–1M/3FT–PC	3 ft (1 m) sensing cable
TT1000–3M/10FT–PC	10 ft (3 m) sensing cable
TT1000–7M/25FT–PC	25 ft (7 m) sensing cable
TT1000–15M/50FT–PC	50 ft (15 m) sensing cable

Notes:
- Refer to the Product Selection Guide (H53874) for other components of the TraceTek system.
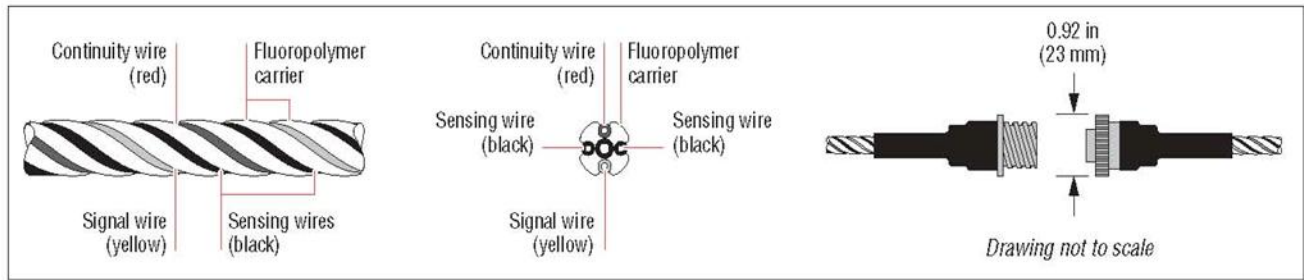- TT1000 sensing cables are compatible with existing TraceTek TT100 systems.

0.92 in
(23 mm)

Drawing not to scale

Product Characteristics

Cable diameter	0.24 in (6.0 mm) nominal
Continuity and signal wires	2 x 26 AWG with insulation of fluoropolymer
Sensing wires	2 x 30 AWG with jacket of conductive fluoropolymer
Carrier	Fluoropolymer
Cable weight (50 ft/15 m length)	2.3 lb (1 kg)
Cable color	High-visibility yellow

Technical Information

Breaking strength	Cable only: 160 lb (72 kg) Including connectors: 70 lb (32 kg)
Cut-through force	>50 lb with 0.005 (>22 kg with 0.13 mm) in blade; crosshead speed 0.2 in/min
Abrasion resistance	>65 cycles per UL 719
Maximum continuous operating temperature	174°F (75°C)
Fire resistance	Class 2 plenum cable per NEC 1996 725-71 (a) UL 910 Modified Steiner Tunnel Test

Performance Data

Leak size to alarm (tap water)	2 in (50 mm) maximum at any point along sensing cable; up to 5000 ft maximum system length
Drying time	Cable dries and resets within 15 seconds of removal from standing water
Standard cleaning method	Wipe with clean damp cloth

Approvals

TraceTek sensing cables are approved only when used with an agency approved TraceTek alarm module.

The TraceTek products group is a part of Tyco Thermal Controls, Tyco International. Tyco Thermal Controls is ISO 9001 certified.

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