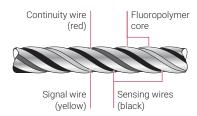


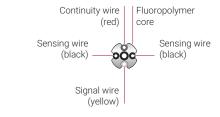
CONNECT AND PROTECT

Water Sensing Cable



Cable construction







PRODUCT OVERVIEW

nVent RAYCHEM TraceTek TT1000 sensing cables detect the presence of water at any point along their length. Installed with an nVent RAYCHEM 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.

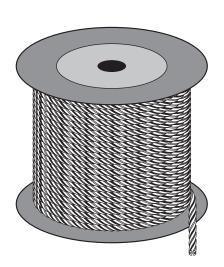
Design flexibility

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 nVent 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.





TT1000 modular sensing cable with factory-installed connectors

| Catalog number | Part number | Description |
|---------------------|-------------|-----------------------------|
| TT1000-1M/3FT-PC | 409271-000 | 3 ft (1 m) sensing cable |
| TT1000-3M/10FT-PC | 391887-000 | 10 ft (3 m) sensing cable |
| TT1000-5M/17FT-PC | 072827-000 | 17 ft (5 m) sensing cable |
| TT1000-7M/25FT-PC | 017859-000 | 25 ft (7 m) sensing cable |
| TT1000-15M/50FT-PC | 805147-000 | 50 ft (15 m) sensing cable |
| TT1000-30M/100FT-PC | 396807-000 | 100 ft (30 m) sensing cable |
| TT1000-50M/165FT-PC | P000000873 | 165 ft (50 m) sensing cable |

TT1000 bulk sensing cable (connector kits required)

| Catalog number | Part number | Description |
|----------------|-------------|--|
| TT1000-SC | 683901-000 | Bulk sensing cable on reel Minimum length: 250 ft (75 m) Maximum length: 1000 ft (300 m) |

Connector kits (not shown)

| Catalog number | Part number | Description |
|------------------------|-------------|--|
| TT-1000 / JC-CK-PC-M/F | P000000080 | Components for ten mated pairs of connectors |

Notes:

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

PRODUCT CHARACTERISTICS

Cable diameter 0.24 in (6.0 mm) nominal

Continuity and signal wires 2 x 26 AWG with fluoropolymer insulation

Sensing wires 2 x 30 AWG with conductive fluoropolymer jacket

Core Fluoropolymer Cable weight (50 ft/15 m length) 2.3 lb (1 kg)

High-visibility yellow Cable color

TECHNICAL INFORMATION

Cable only: 160 lb (72 kg) Breaking strength

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 c ycles per UL 719

Maximum continuous operating temperature 167°F (75°C)

Meets the requirements of NFPA 262 "Standard Method of Test for Flame Fire resistance

Travel and Smoke of Wires and Cables for use in Air-Handling Spaces"

PERFORMANCE DATA

2 in (50 mm) maximum at any point along sensing cable; up to 5000 ft Leak size to alarm (tap water)

maximum system length

Cable dries and resets within 15 seconds of removal from standing water Drying time

Wipe with clean damp cloth Standard cleaning method

APPROVALS AND CERTIFICATIONS

TT1000 sensing cables are approved for installation in ordinary and hazardous areas when used in conjunction with approved nVent RAYCHEM TraceTek monitoring equipment and zener safety barriers when appropriate.

All nVent RAYCHEM TraceTek sensing cables are designated as "simple apparatus" and included in the approval certification for nVent RAYCHEM TraceTek monitoring instruments.

Consult the specific data sheets and approval certificates for the nVent RAYCHEM TraceTek TTSIM-128, TTSIM-1, TTSIM-1A, TTSIM-2, TTC-1 and TT-FLASHER-BE for application limitations and specific area approvals and certifications.













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