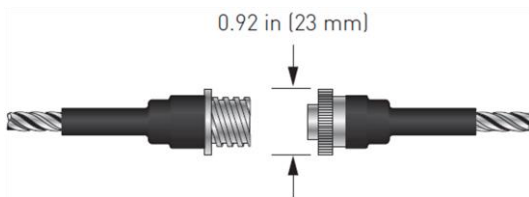
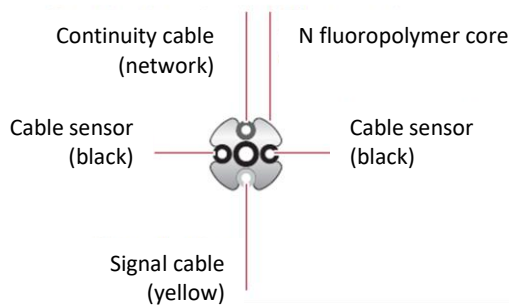
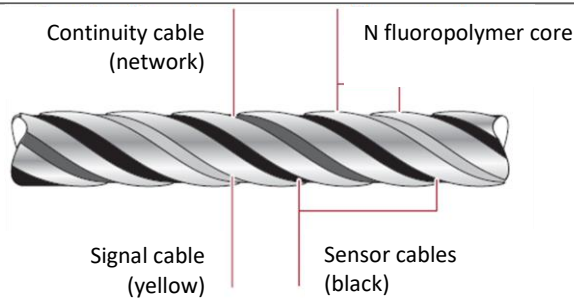


TT1000 – CABLE FOR WATER LEAK DETECTION

CABLE CONSTRUCTION



Non-scale drawing

PRODUCT DESCRIPTION

The TT1000 detection cables detect the presence of water at any point along its length. Installed with an alarm system and a location module, the cable detects water intrusion, triggering an alarm and signaling the location.

Distributed sensors

TT1000 detection cables provide detection and localization of leaks distributed over a wide range of areas. The cable is available in a variety of lengths to provide as much coverage as needed.

Design flexibility

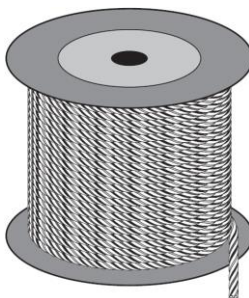
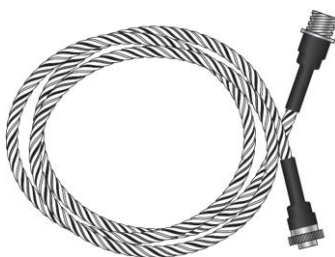
The TT1000 detection cable is supplied with pre-installed plastic connectors at the factory for easy connection. The cable is designed for a wide range of applications, including data processing plants, telecommunications rooms, HVAC equipment installations, piping, electrical vaults, storage areas, tanks and roofs. The cable is small, lightweight and flexible, allowing for easy installation. The smooth design allows for quick drying.

Advanced technology

Raychem's conductive polymer technology and fluoropolymer construction make the TT1000 sensing cable mechanically strong and resistant to corrosion and abrasion. The cable is constructed with two sensing wires, an alarm signal wire, and a continuity wire embedded in a fluoropolymer support rod. The alarm module constantly monitors the detection cable for continuity. The robust construction of the cable does not expose metal and allows the cable to be reused even in corrosive environments.

TT1000 sensing cables detect the presence of water at any point along their length. Installed with a alarm and locating

ORDER INFORMATION



TT1000 Modular Sensing Cable with Factory Installed Connectors		
CataLognumber or	Part Number	Description
TT1000-1M/3FT-PC	409271-000	3 ft (1 m) Cable sensor
TT1000-3M/10FT-PC	391887-000	10 ft (3 m) Cable sensor
TT1000-5M/17FT-PC	072827-000	17 ft (5 m) Cable sensor
TT1000-7.5M/25FT-PC	017859-000	25 ft (7.5 m) Cable sensor
TT1000-15M/50FT-PC	805147-000	50 ft (15 m) Cable sensor
TT1000-30M/100FT-PC	396807-000	100 ft (30 m) Cable sensor
TT1000-50M/165FT-PC	P000000873	165 ft (50 m) Cable sensor
TT1000 Bulk Detection Cable (connector kits required)		
CataLognumber or	Part Number	Description
TT1000-SC	683901-000	Bulk Detection 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 coupled pairs of connectors
Notes:		
<ul style="list-style-type: none"> Refer to the Product Selection Guide (H53874) for other system components. TT1000 detection cables are compatible with existing TT100 systems. 		

FEATURES

Cable Diameter	0.24 in (6.0 mm) nominal
Continuity and Signal Cables	2 x 26 AWG (0.404 mm diameter) With fluoropolymer insulation
Cable detection	2 x 30 AWG (0.254 mm diameter) With a conductive fluoropolymer coating
Core	Fluoropolymer
Cable Weight (50ft/15m length)	2.3 lb (1 kg)
Cable Color	High visibility yellow

TECHNICAL INFORMATION

Resistance to breakage	Cable only: 72 kg (160 lb) - Including connectors: 32 kg (70 lb)
Cutting force	> 50 lb with 0.005 (> 22 kg with 0.13 mm) in blade; Head speed 0.2 in/min
Abrasion resistance	> 65 cycles by UL 719
Maximum temperature of continuous operation	174°F (75°C)
Fire resistant	Meets the requirements of NFPA 262 "Standard Test Method for Flame and Smoke Path of Cables and Cables for Use in Air Handling Spaces"

PERFORMANCE DATA

Leak size for Alarm (tap water)	2 in. (50 mm) maximum at any point along the detection cable; Up to 5000 feet maximum system length
Drying time	The cable dries and restarts within 15 seconds of standing water removal
Standard cleaning method	Wipe with a clean damp cloth

APPROVALS AND CERTIFICATIONS

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

All detection cables are designated as "simple devices" and are included in the approval certification of control instruments.

Refer to the specific data sheets and certificates of approval for the TTSIM-128, TTSIM-1, TTSIM-1A, TTSIM-2, TTC-1, and TT-FLASHER-BE for application limitations and area-specific approvals and certifications.

