



TT1100-OHP

TraceTek® Water Sensing Cable for Suspended Pipe

TraceTek® TT1100-OHP sensor cable detects water leaks at any point along the cable length. When used in conjunction with TraceTek monitoring instruments, the cable senses the presence of a water leak, triggers an alarm and pinpoints the location of the leak to within ± 1 meter accuracy.

Targeted design for suspended pipe

TT1100-OHP is designed for demanding indoor environments. TT1100-OHP is a small diameter, flexible cable consisting of four wires wrapped around a central core.

TT1100-OHP is supplied with a synthetic fiber braided jacket designed to wick water along the cable— useful when a water leak is dripping from a small pin hole or crack in the pipe. The braided jacket dries quickly. In many cases, once the leak is located and repaired, the cable is ready for reuse.

Distributed sensing

TT1100-OHP sensor cable provides distributed leak detection and location along the entire run of cable. Cable can be installed around localized sources of water leakage (e.g. valves, pumps and tanks) as well as along pipelines.

Strap directly to the pipe - Eliminate drip trays

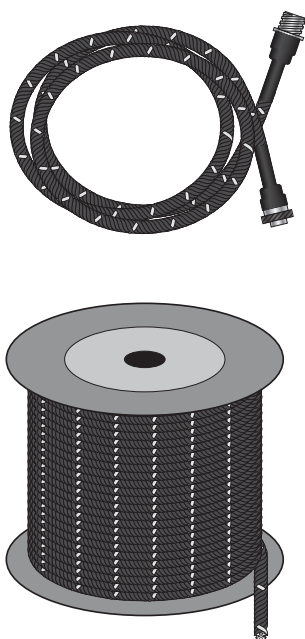
TT1100-OHP can be attached to the bottom of suspended pipe with nylon tie-wraps. There is no need for a drip tray to bring water into contact with the sensor cable. The braided fiber jacket provides extra mechanical protection and strength for ease of installation in construction environments.

Design flexibility

Individual circuit lengths up to 1000 m can be monitored from a single sensor interface module (SIM). Multiple SIMs can be easily networked to provide extended coverage along pipelines. Alarm and control panels with capacity for up to 127 SIMs are standard. TraceTek supervisor (for Windows PC) is available for stand alone installations, or the SIM units can be directly connected to the facility alarm and control systems.

TT1100-OHP is available in bulk lengths or pre-terminated in standard lengths. TT1100-OHP is compatible with all TraceTek instruments and software.

Ordering information



TT1100-OHP modular sensing cable with factory-installed connectors

Catalog Number	Part Number	Description
TT1100-OHP-1M-PC	P000000812	3 ft (1 m) sensing cable
TT1100-OHP-3M-PC	P000000811	10 ft (3 m) sensing cable
TT1100-OHP-7.5M-PC	P000000810	25 ft (7 m) sensing cable
TT1100-OHP-15M-PC	P000000809	50 ft (15 m) sensing cable
TT1100-OHP-30M-PC	P000000808	100 ft (30 m) sensing cable
TT1100-OHP-50M-PC	P000000807	165 ft (50 m) sensing cable
TT1100-OHP-100M-PC	P000000806	328 ft (100 m) sensing cable
TT1100-OHP-XX-PC	P000001025	User definable custom length between 1 and 500 ft

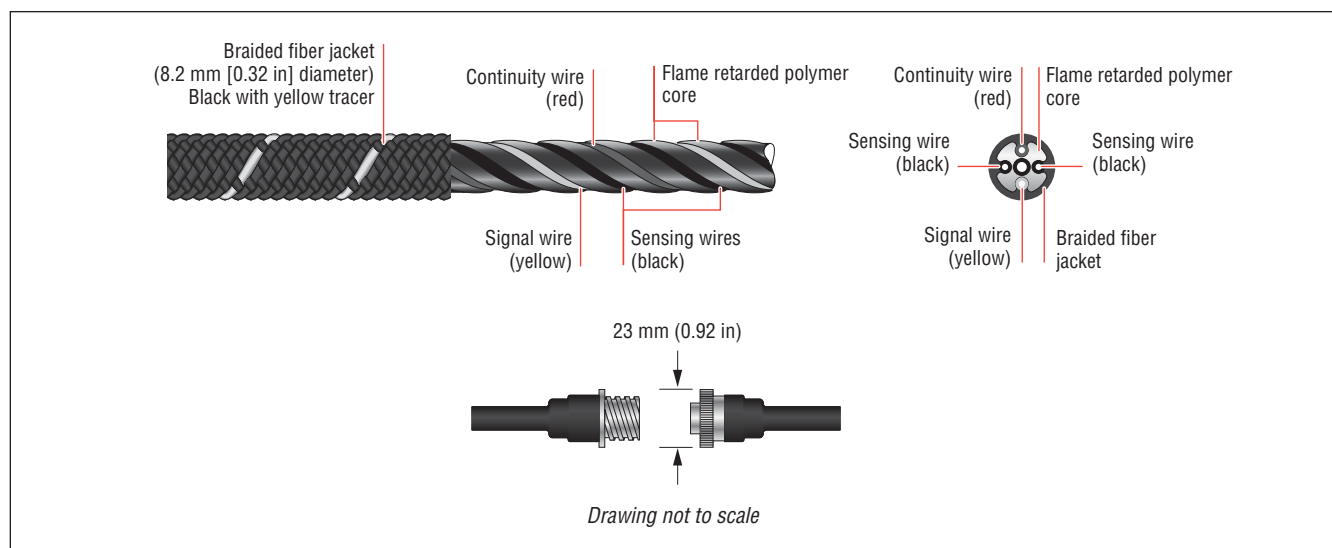
TT1100-OHP bulk sensing cable (connector kits required)

Catalog Number	Part Number	Description
TT1100-OHP-SC	P000000805	Bulk sensing cable on reel Minimum length: 350 ft (75 m) Maximum length: 1000 ft (300 m)

Connector kits (not shown)

Catalog Number	Part Number	Description
TT-1100-OHP-CK-PC-M/F	P000001186	Components for ten mated pairs of connectors

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Product characteristics

Cable core diameter	5.5 mm (0.22 in) nominal
Cable diameter with rope braid	8.2 mm (0.32 in) nominal
Braided fiber jacket	Color – black with yellow tracer
Connector diameter	23 mm (0.92 in) nominal
Signal wires	2 x 26 AWG with fluoropolymer insulation
Sensing wires	2 x 30 AWG with conductive fluoropolymer jacket
Core	Flame retarded polymer
Cable weight	5.5 kg / 100 m nominal (3.7 lb / 100 ft nominal)

Technical information

Breaking strength	>100 kg
Cut-through force	>50 kg (using 0.05" radius blade)
Maximum continuous operating temperature	80°C
Leak location accuracy	+/- 1 m (3.3 ft)
Resettable	Can be reused after cable is allowed to dry
Resistance to humidity	<2 µA leakage per 100 feet @ 90% RH / 20°C

Approvals and Certifications

TraceTek TT1100-OHP sensing cables are approved for installation in ordinary and hazardous areas when used in conjunction with approved TraceTek monitoring equipment and zener safety barriers when appropriate.

All TraceTek sensing cables are designated as “simple apparatus” and included in the approval certification for TraceTek monitoring instruments.

Consult the specific data sheets and approval certificates for the 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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Worldwide Headquarters
Tyco Thermal Controls
 307 Constitution Drive
 Menlo Park, CA 94025-1164
 USA
 Tel 800-545-6258
 Tel 650-216-1526
 Fax 800-527-5703
 Fax 650-474-7215
 info@tracetek.com
 www.tracetek.com

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