TT1100-OHP

WATER SENSING CABLE FOR SUSPENDED PIPE

Braided fiber jacket
(8.2 mm diameter)
Yellow tracer

Continuity wire
(red)

Flame retarded
polymer core

Signal wire
(yellow)

Sensing wires
(black)

Continuity wire
(red)

Flame retarded polymer
core

Sensing wire
(black)

Sensing wire
(black)

Signal wire
(yellow)

Braided fiber
jacket

0.92 in (23 mm)

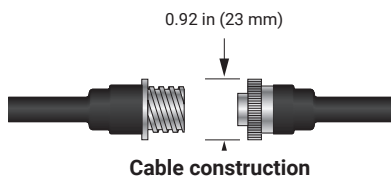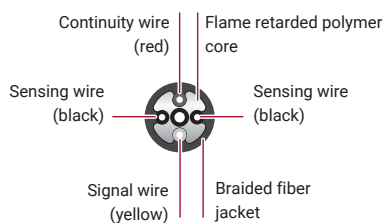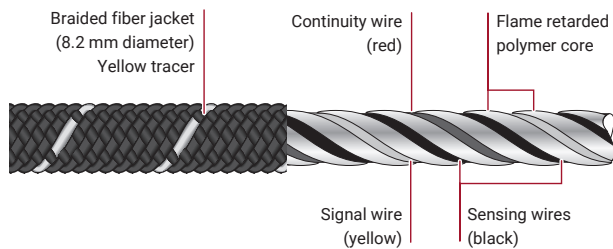**Cable construction**

PRODUCT OVERVIEW

nVent RAYCHEM 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.
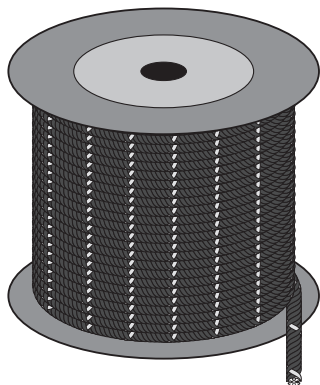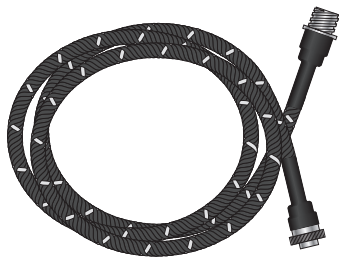
TARGETED DESIGN FOR SUSPENDED PIPING

TT1100-OHP is supplied with an absorptive synthetic fiber braid designed to wick water along the cable even when the water leak is dripping from a single small pin hole or crack. The fiber is selected to be rapid drying so that once the leak is located and repaired, the cable will quickly dry and be ready for re-use, in many cases as soon as the pipe repairs are completed.

STRAP DIRECTLY TO THE PIPE - ELIMINATE DRIP TRAYS

TT1100-OHP is a distributed sensor that can be attached to the bottom of suspended piping 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.

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

TT1000 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

PRODUCT CHARACTERISTICS

Cable diameter	8.2 mm nominal
Cable diameter with connectors	23 mm 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	5.86 kg / 100 m nominal

TECHNICAL INFORMATION

Breaking strength	>100 kg
Cut-through force	>50 kg (using 0.05" radius blade)
Maximum continuous operating temperature	80°C
Resistance to humidity	<2 µA leakage per 100 feet @ 90% RH / 20C

APPROVALS AND CERTIFICATIONS

TraceTek TT1100 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 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.

North America

Tel +1.800.545.6258
Fax +1.800.527.5703
thermal.info@nvent.com

Europe, Middle East, Africa

Tel +32.16.213.511
Fax +32.16.213.604
thermal.info@nvent.com

Asia Pacific

Tel +86.21.2412.1688
Fax +86.21.5426.3167
cn.thermal.info@nvent.com

Latin America

Tel +1.713.868.4800
Fax +1.713.868.2333
thermal.info@nvent.com

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