

TT5001-HUV

TraceTek Solvent Sensing Cable for Aboveground Leak Detection

TraceTek TT5001-HUV sensing cable detects the presence of liquid organic solvents at any point along its length, yet it does not react to the presence of water. Installed with a TraceTek Sensor Interface Module and TraceTek Alarm Panel, the cable senses the solvent liquid, triggers an alarm and pinpoints the location of the leak within one meter.

Designed for aboveground leak detection

TT5001-HUV sensing cable is designed for use on aboveground pipe, around pump pads or valves where the cable will be exposed to sunlight and weather during its service life. The sensor cable core is standard TT5001 with well documented response times, and years of successful applications. The cable can be purchased in bulk form, cut to length in the field and joined using connector kits, or it can be obtained in standard or custom cut lengths with connectors attached in the factory. The cable is designed to be attached to the bottom of horizontal piping, spiraled around vertical pipe, or placed on flat surfaces below or around pumps and valves and other applications where surface level fuel leaks and spills can be anticipated.

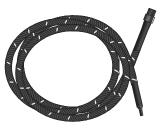
Distinctive appearance and ready for chemical facility, tank farm and terminal applications

TT5001-HUV sensing cable has a matte black rope outer layer with a purple tracer stripe. The rope outer layer is fabricated with thousands of individual filaments that add strength and excellent protection from the damaging effects of direct sunlight exposure. Additionally, this rope layer makes the sensor cable resistant to kinks and pliable, yet rugged enough for installation and long service life in pipe applications. The sensor cable can have connectors wherever necessary; can be branched as needed and in general can be tailored to match the piping network. Circuits up to 1000 meters can be constructed by connecting individual segments. Multiple circuits can be monitored from a single control room location.

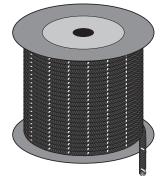
Advanced Technology

TraceTek uses radiation cross-linking and conductive-polymer technology to make TT5001-HUV cable. The combination of water and chemically resistant cable core coupled with the enhanced UV protection provided by the rope outer layer yield a product well suited for aboveground leak detection. The cable is able to withstand the rigors of installation and long years of service with exposure to rain, snow, sunlight and similar weather stresses.

Ordering information

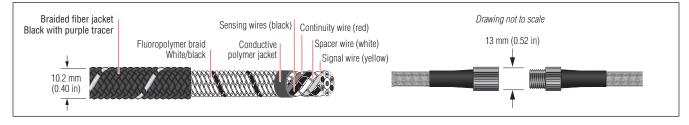






TT5001-HUV modular sensing cable with factory-installed connectors			
Catalog Number	Part Number	Description	
TT5001-HUV-1M-MC	P00000836	1 m (3 ft) sensing cable	
TT5001-HUV-3M-MC	P00000835	3 m (10 ft) sensing cable	
TT5001-HUV-7.5M-MC	P00000834	7.5 m (25 ft) sensing cable	
TT5001-HUV-15M-MC	P00000833	15 m (50 ft) sensing cable	
TT5001-HUV-30M-MC	P00000832	30 m (100 ft) sensing cable	
TT5001-HUV-50M-MC	P00000831	50 m (164 ft) sensing cable	
TT5001-HUV-100M-MC	P00000830	100 m (328 ft) sensing cable	
TT5001-HUV bulk sensing cable	e (connector kits required)		
Catalog Number	Part Number	Description	
TT5001-HUV-SC	P00000829	Bulk sensing cable on reel Minimum length: 30 m (100 ft) Maximum length: 240 m (800 ft)	
Connector kits (not shown)			
Catalog Number	Part Number	Description	
TT5000–HUV–CK–MC–M/F (includes test tools)	P000001207	Components for five mated pairs of connectors	
Installation Materials			
Catalog Number	Part Number	Description	
TT-PU-FOAM-2x0.5	P000001136	2-inch wide foam with adhesive backing	
TT–VSTRAP–1.5x75ft	P000001135	Fastening strap	

TT5001-HUV Fuel Sensing Cable



Product characteristics	Cable diameter	7 mm (0.28 in) nominal	
	Cable diameter with connector	13 mm (0.52 in) nominal	
	Cable diameter with fiber jacket	10.2 mm (0.40 in) nominal	
	Fluoropolymer braid	Color—white and black	
	Braided fiber jacket	Color—black with purple tracer	
	Cable weight	8.8 kg/100 m nominal (5.9 lb/100 ft nominal) -20°C to 60°C (-4°F to 140°F)	
	Operating temperature range Pull force limit	Not to exceed 100 kg (220 lb)	
	Bend radius	50 mm (2 in) minimum	
	Pressure	Loads greater than 9 kg (20 lb) per linear inch at 20°C (68°F) may	
	11635016	immediately trigger an alarm	
	Nonresettable	Must be replaced after exposure to most solvents	
Chemical resistance	Cable functions normally after exposure in accordance with ASTM D 543 at 23°C (73°F) for seven days	Sulfuric acid(10%)Hydrochloric acid(10%)Nitric acid(10%)Sodium hydroxide(10%)	
Water resistance	Sensing cable	Less than 10 μA leakage when immersed in salt water for 90 days	
	Connector system	Less than 10 μA leakage when immersed in water at 10 psig for 24 hours	
Response time	Response times are affected by or temperatures and in other liquids.	Typical response time at 68°F (20°C) 10 min 5 min 8 min 20 min 10 min [†] 10 min [†] 60 min [†] 90 min (50 mm) of cable immersed in liquid. berating temperature. Consult factory for specific response times at other vill inhibit sensing-cable performance.	
Approvals and Certifications	TraceTek TT5001-HUV 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.		
		d approval certificates for the TraceTek TTSIM-128, TTSIM-1, TTSIM-1A, E for application limitations and specific area approvals and certifications.	
Worldwide Headquarters Tyco Thermal Controls 7433 Harwin Drive Houston, TX 77036 USA Tel 800-545-6258 Tel 650-216-1526 Fax 800-527-5703 Fax 650-474-7215	suitability of each product for their parts completeness of the information, and disu in the Tyco Thermal Controls Standard Te or its distributors be liable for any inciden the product. Specifications are subject to changes—without notification to Buyer—te	trations, is believed to be reliable. Users, however, should independently evaluate the icular application. Tyco Thermal Controls makes no warranties as to the accuracy or claims any liability regarding its use. Tyco Thermal Controls' only obligations are those rms and Conditions of Sale for this product, and in no case will Tyco Thermal Controls that, indirect, or consequential damages arising from the sale, resale, use, or misuse of change without notice. In addition, Tyco Thermal Controls reserves the right to make to processing or materials that do not affect compliance with any applicable specification. aregistered trademarks of Tyco Thermal Controls or its affiliates.	

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