

Prosino International Limited

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P-LFP1000 Position Leak Detection Cable Data Sheet



Prosino sensing cables detect the presence of water at any point along their length. Installed with a prosino locating module(P-LFP1),the cable senses water intrusion,triggers an alarm,and pinpoints the location.

Distributed sensing

P-LFP1000 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.

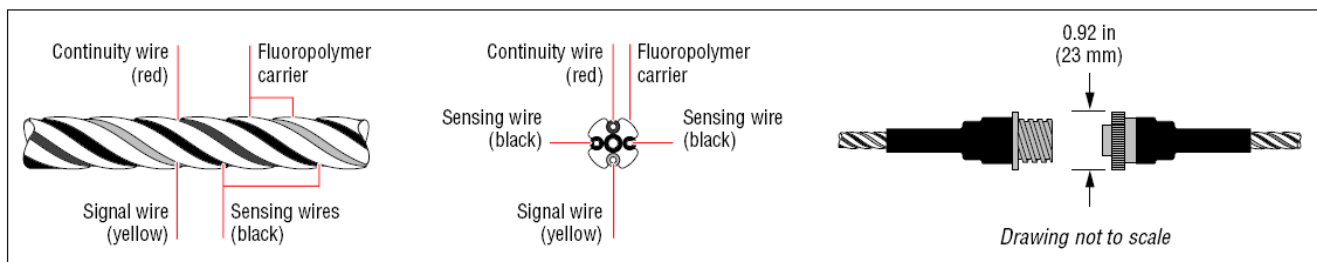
Design flexibility

P-LFP1000 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 conductive-polymer technology and fluoropolymer construction make P-LFP1000 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.

P-LFP1000



Product characteristics

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Cable diameter	0.24 in(6.0mm)nominal
Continuity and signal wires	2*26 AWG with insulation of fluoropolymer
Sensing wires	2*30 AWG with jacket of conductive fluoropolymer
Carrier	Fluoropolymer
Cable weight(50 ft/15m length)	2.3 lb (1kg)
Cable color	High-visibility yellow

Technical Information

Breaking strength	Cable only:160 lb(72KG) .Including connectors:70 lb(32kg)
Cut-through force	>50lb with 0.005(>22kg with with 0.13mm) in blade;croshead speed 0.2in/min
Abrasion resistance	>65 cycles per UL719
Maximum continuous operating temperature	70degree

Performance Data

Leak size to alarm(tap water)	2 in(50mm)maximum at any piont along sensing cable ,up to 5000 ft maximum system length
Drying time	Cable dries and resets within 15 seconds after removal from standing water
Standard cleaning method	Wipe with clean damp cloth

Leak positioning of the monitoring system accessories

SERIAL NUMBER	MODEL	NAME
1	P-LFP1	The leak positioning controller
2	P-LFP1000	Leak positioning sensor cable
3	P-LFW86	End terminal
4	P-LFP68	connection wire
5	FP01	Fixed glue stick a clip

