

SC, SC-C & NSC

Highly Flexible, Resists Bends and Kinks, Abrasion Resistant



Sensing and non-sensing cables are designed for use with Zone and Distance Read panels. The sensing cables detect the presence of detectable liquid, and send a signal to the panel. The panel generates an alarm and pinpoints the location of the leak or spill along the cable's length. Sensing cables are designed for high accuracy and maximum reliability.

SC water detection cable senses the presence of water or other conductive fluid. SC-C chemical sensing cable detects the presence of chemicals (see Specifications for list).

NSC non-sensing cable is used to extend the control panel's leader cable to an area where SC detection cable is needed. It also bridges lengths of SC detection cable in areas where sensing is not required. Invisible to the control panel, the non-sensing cable does not affect the accuracy of readings or limit the amount of detection cable that can be connected to a control panel. NSC cables are only compatible with systems using SC water detection cables.

All cables are highly flexible, durable, and kink-resistant. They lie flat after installation, and are abrasion resistant. The cables are plenum rated and UL Listed, making them ideal for use under raised floors and areas where plenum rated cable is required. Choose a pre-specified cable length or a custom length for your convenience and installation flexibility.

SPECIFICATIONS

Plenum Rating: SC NSC	CL2P/CMP C(UL) CL3P/CMP C(UL) California State Fire Marshall approved
Shear Strength: SC/NSC SC-C	>180 lbs (>81.65 kg) 160 lbs (72.6 kg)
Cut Through Resistance: SC/NSC SC-C	>40 lbs (>18.2 kg) with 0.005" (0.13 mm) blade >50 lbs (>22.7 kg) with 0.005" (0.13 mm) blade
Abrasion Resistance: SC/NSC SC-C	60 cycles per UL 719 >65 cycles per UL719
Connector: SC/NSC SC-C	4-pin, 1" (25.4 mm) dia., circular, locking, 4-pin 0.5" (13 mm) diameter

Strong

Strong, durable, and abrasion resistant

Plenum rated

Plenum rated and UL Listed

Easy installation

Expansion with mating end connectors...easy installation

Accurate

Highly accurate alarm notification...fewer false alarms

Installation flexibility

Available in pre-measured and custom lengths with pre-installed end connectors

Application versatility

SC and SC-C cables detect the presence of specific fluids

OPERATING ENVIRONMENT

Temperature: SC/NSC SC-C	0 to 75 °C (32 to 167 °F) 90 °C (194 °F) max.
Humidity: SC/NSC	5 to 95% RH non-condensing
Altitude: SC/NSC	15,000 ft. (4,572 m) max.

STANDARD LENGTHS

SC-10/NSC-10	10 ft. (3.1 m)
SC-17	17 ft. (5.1 m)
SC-25/NSC-25	25 ft. (7.7 m)
SC-50/NSC-50	50 ft. (15.3 m)
SC-100/NSC-100	100 ft. (30.5 m)
Storage Environment	-30 to 85 °C (-22 to 185 °F)
Weight	0.02 lbs/ft (29.7 g/m)

Detectable Liquids/ Chemical Resistance: SC-C*	In accordance with ASTM D543, cable functions normally after seven days exposure to the following: fresh deionized water, tap water, sulfuric acid (98%), sulfuric acid (50%), hydrochloric acid (37%), sodium hydroxide (10%), aqua regia, ethylene glycol (60% in DI water)
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Agency Approvals: SC NSC	CE; UL; RoHS compliant UL E118871; UL 13, power limited circuit cable; UL 444, communication cables; NFPA 262; plenum flame test (UL 910); NEC Articles 725 and 800; RoHS compliant
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WARRANTY

Limited Warranty	2 years
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AGENCY APPROVALS

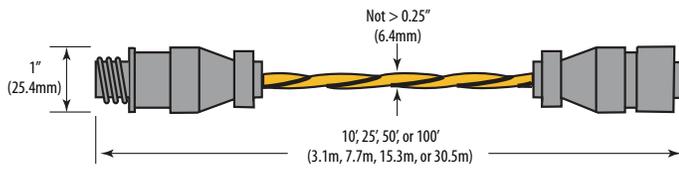


* Prolonged exposure to concentrated ketones may cause temporary reduction of sensitivity; call for details.



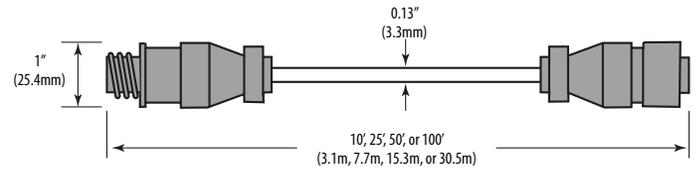
SC

Dimensional Drawing



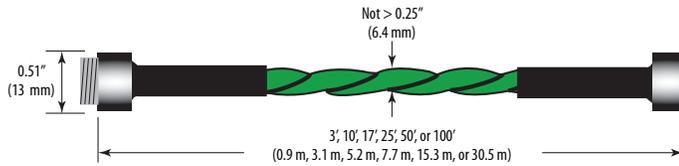
NSC

Dimensional Drawing



SC-C

Dimensional Drawing



ORDERING INFORMATION

Sensing Cable

MODEL	MANUF. PART #	DESCRIPTION
U006-0009	SC-10	Sensing Cable, Water, 10 feet
U006-0048	SC-17	Sensing Cable, Water, 17 ft
U006-0013	SC-25	Sensing Cable, Water, 25 feet
U006-0014	SC-50	Sensing Cable, Water, 50 feet
U006-0010	SC-100	Sensing Cable, Water, 100 feet
U006-0011*	SC-1000	Sensing Cable, Water, 1000 feet, bulk
U006-0012*	SC-2000	Sensing Cable, Water, 2000 feet, bulk
U006-0050	SC-C-10	Sensing Cable, Chemical, 10 ft
U006-0052	SC-C-25	Sensing Cable, Chemical, 25 ft
U006-0053	SC-C-50	Sensing Cable, Chemical, 50 ft

*CPCE (U006-0039), SPPL (U006-0040), and SCCS (U006-0041) tools are required for installation. LCDE (U006-0029) is highly recommended.

ORDERING INFORMATION

Non-sensing Cable

MODEL	MANUF. PART #	DESCRIPTION
U006-0017	NSC-10	Non-Sensing Cable, 10 feet
U006-0021	NSC-25	Non-Sensing Cable, 25 feet
U006-0022	NSC-50	Non-Sensing Cable, 50 feet
U006-0018	NSC-100	Non-Sensing Cable, 100 feet
U006-0019*	NSC-1000	Non-Sensing Cable, 1000 feet, bulk
U006-0020*	NSC-2000	Non-Sensing Cable, 2000 feet, bulk

*CPCE (U006-0039), SPPL (U006-0040), and SCCS (U006-0041) tools are required for installation. LCDE (U006-0029) is highly recommended.

