

Cables



Highly Flexible, Resists Bends and Kinks, Abrasion Resistant

DESCRIPTION

Sensing and non-sensing cables are designed for use with Zone and Distance Read panels. The sensing cables detect the presence of liquid, and send a signal to the panel. The panel generates an alarm and pinpoints the exact location of the leak or spill along the cable's length. Sensing cables are designed for the highest 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). SC-H hydrocarbon sensing cable locates hydrocarbons within 1 foot (0.33 m) of the actual leak, with as little as 2 inches (51 mm) of wetted cable, and is impervious to the presence of water.

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 water 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 they 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.

FEATURES

- Strong, durable, and abrasion resistant
- Expansion with mating end connectors...easy installation
- Available in pre-measured and custom lengths with pre-installed end connectors...installation flexibility
- Plenum rated and UL listed
- Highly accurate alarm notification...no false alarms
- SC, SC-C, and SC-H cables detect the presence of specific fluids...application versatility

SPECIFICATIONS

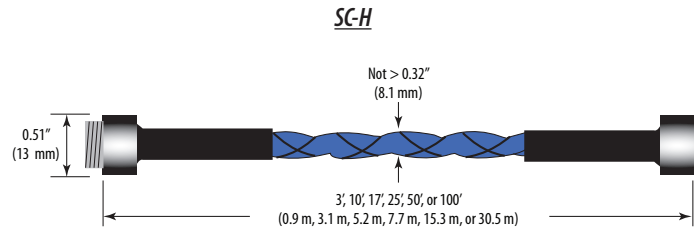
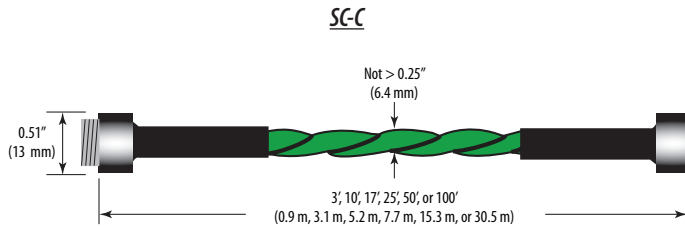
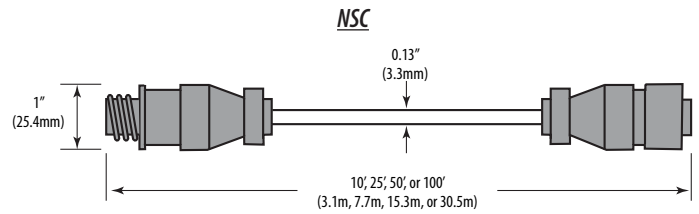
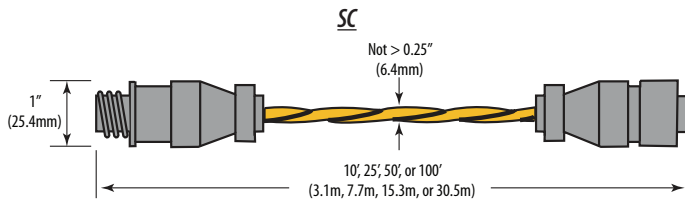
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|-----------------------------------|---|
| Plenum Rating | SC: CL2P/CMP C(UL); NSC: CL3P/CMP C(UL) California State Fire Marshall approved |
| Shear Strength | SC/NSC: >180 lbs (>81.65 kg); SC-C: 160 lb (72.6 kg) |
| Cut Through Resistance | SC/NSC: >40 lbs (>18.2 kg) with 0.005" (0.13 mm) blade; SC-C: >50 lbs (>22.7 kg) with 0.005" (0.13 mm) blade |
| Abrasion Resistance | SC/NSC: 60 cycles per UL 719; SC-C: >65 cycles per UL719 |
| Connector | SC/NSC: 4 pin, 1" (25.4 mm) diameter, circular, locking, 4 pin; SC-C: 0.5" (13 mm) diameter |
| <i>Operating Environment:</i> | |
| Temperature | SC/NSC: 0° to 75°C (32° to 167°F); SC-C: 90°C (194°F) max.; SC-H: -20° to 90°C (-4° to 140°F) |
| Humidity | SC/NSC: 5% to 95% RH non-condensing |
| Altitude | SC/NSC: 10,000 ft. (3,048 m) max. |
| Storage Environment | SC: -30° to 85°C (-22° to 185°F); NSC: 0° to 75°C (32° to 167°F) |
| <i>Standard Lengths:</i> | |
| SC-10/NSC-10 | 10 ft. (3.1 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) |
| Weight | 0.02 lbs/ft (29.7 g/m) |
| 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) |
| Chemical Resistance, SC-H* | In accordance with ASTM D543, cable functions normally after seven days' exposure to the following: Unleaded gasoline, #1 diesel fuel, #2 diesel fuel, JP5 jet fuel, JP8 jet fuel, Jet-A jet fuel, xylene, kerosene, cigarette lighter fuel (completely water resistant) |

SC: CE; UL File # E162948; RoHS compliant

NSC: UL File # 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

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

DIMENSIONAL DRAWINGS



ORDERING INFORMATION



Sensing Cable

| MODEL | MANUF. PART # | DESCRIPTION |
|------------|---------------|---------------------------------------|
| U006-0009 | SC-10 | Sensing Cable, Water, 10 feet |
| U001-0048 | 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 |
| U006-0049 | SC-C-3 | Sensing Cable, Chemical, 3 ft |
| U006-0050 | SC-C-10 | Sensing Cable, Chemical, 10 ft |
| U006-0051 | SC-C-17 | Sensing Cable, Chemical, 17 ft |
| U006-0052 | SC-C-25 | Sensing Cable, Chemical, 25 ft |
| U006-0053 | SC-C-50 | Sensing Cable, Chemical, 50 ft |
| U006-0054 | SC-C-100 | Sensing Cable, Chemical, 100 ft |
| U006-0055 | SC-H-3 | Sensing Cable, Hydrocarbons, 3 ft |
| U006-0056 | SC-H-10 | Sensing Cable, Hydrocarbons, 10 ft |
| U006-0057 | SC-H-17 | Sensing Cable, Hydrocarbons, 17 ft |
| U006-0058 | SC-H-25 | Sensing Cable, Hydrocarbons, 25 ft |
| U006-0059 | SC-H-50 | Sensing Cable, Hydrocarbons, 50 ft |
| U006-0060 | SC-H-100 | Sensing Cable, Hydrocarbons, 100 ft |

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.