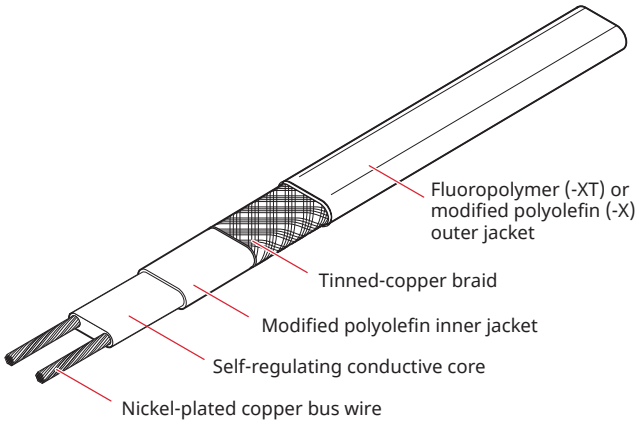
ICESTOP

Raychem

Self-regulating roof and gutter de-icing heating cable

PRODUCT OVERVIEW

Heating cable construction



10 YEAR Product warranty

Raychem IceStop is a roof and gutter de-icing system that provides drain paths for the following applications:

- Roofs made from standard roofing materials, including shake, shingle, rubber, tar, wood, metal, and plastic.
- Gutters made from standard materials, including metal, plastic, and wood.
- Downspouts made from standard materials, including metal and plastic.

The heating element in the IceStop heating cable consists of a continuous core of conductive polymer extruded between two copper bus wires. As current flows through the core, the IceStop heating cable regulates its own heat output in response to ambient conditions.

This self-regulating feature eliminates hot spots and results in better temperature control to protect roof and gutter materials.

The IceStop heating cable is available with a fluoropolymer outer jacket (-XT) that provides maximum abrasion, chemical, and mechanical resistance; or a polyolefin outer jacket (-X) that is more economical for less demanding applications.

Low installed cost

The IceStop heating cable's parallel circuitry allows it to be cut to the exact length required, with no wasted cable.

All of these characteristics simplify and streamline the design of a roof and gutter de-icing system. Installation is quick and simple. The same features that make an IceStop system easy to install the first time also simplify additions or changes to the system during building renovations.

CATALOG NUMBER

GM-1XT and GM-1X	GM-2XT and GM-2X

POWER OUTPUT (NOMINAL)

12 W/ft (39 W/m) in ice or snow	12 W/ft (39 W/m) in ice or snow

VOLTAGE

120 Vac	208–277 Vac

chemelex

MINIMUM INSTALLATION TEMPERATURE

0°F (–18°C) 0°F (–18°C)

MINIMUM BEND RADIUS

5/8 in (16 mm) 5/8 in (16 mm)

MAXIMUM CIRCUIT LENGTH IN FEET (METERS)

	Start-up temperature		Circuit breaker size							
			15 A		20 A		30 A		40 A*	
GM-1XT and GM-1X at 120 volts	32°F	(0°C)	100	(30)	135	(41)	200	(61)	—	
	20°F	(–7°C)	95	(29)	125	(38)	185	(56)	200	(61)*
	0°F	(–18°C)	80	(24)	100	(30)	155	(47)	200	(61)*
GM-2XT and GM-2X at 208 volts	32°F	(0°C)	190	(58)	250	(76)	380	(116)	—	
	20°F	(–7°C)	180	(55)	235	(72)	355	(108)	380	(116)*
	0°F	(–18°C)	145	(44)	195	(59)	290	(88)	380	(116)*
GM-2XT and GM-2X at 240 volts	32°F	(0°C)	200	(61)	265	(81)	400	(122)	—	
	20°F	(–7°C)	190	(58)	250	(76)	370	(113)	400	(122)*
	0°F	(–18°C)	155	(47)	205	(62)	305	(93)	400	(122)*
GM-2XT and GM-2X at 277 volts	32°F	(0°C)	215	(66)	290	(88)	415	(126)	—	
	20°F	(–7°C)	200	(61)	265	(81)	400	(122)	415	(126)*
	0°F	(–18°C)	165	(50)	225	(69)	330	(101)	415	(126)*

* Only FTC-P power connection kits may be used with 40-A circuits.

BUS WIRES

16 AWG nickel-plated copper

BRAID / OUTER JACKET

Tinned-copper braid with fluoropolymer (-XT) or modified polyolefin (-X) outer jacket

DIMENSIONS

Maximum width	0.54 in (14 mm)
Maximum thickness	0.24 in (6 mm)

NOMINAL WEIGHT

92 lb/1000 ft (137 kg/1000 m)

CONNECTION KITS

Raychem RayClic or FTC connection kits must be used with IceStop heating cables. Refer to the Roof and Gutter De-Icing Design Guide (H56070) for proper connection kit selection.

APPROVALS

c UL us LISTED

Snow Meling Equipment 877Z
De-icing and Snow Meling Equipment
FOR USE IN HAZARDOUS LOCATION E538285
-WS for Canada

Class I Division 2 Group A, B, C, D T6
for GM-1XT and GM-2XT

The IceStop heating cables are c-UL-us Listed only when used with the appropriate agency-approved Chemelex connection kits and accessories.

GROUND-FAULT PROTECTION

To minimize the danger of fire from sustained electrical arcing if the heating cable is damaged or improperly installed, and to comply with the requirements of Chemelex, agency certifications, and national electrical codes, ground-fault equipment protection must be used on each heating cable branch circuit. Arcing may not be stopped by conventional circuit protection. Many Raychem control and monitoring systems meet the ground-fault protection requirement.

North America
Tel +1 800 545 6258
info@chemelex.com

Latin America
Tel +1 713 868 4800
info@chemelex.com

Europe, Middle East, Africa, India
Tel +32 16 213 511
Fax +32 16 213 604
info@chemelex.com

Asia Pacific
Tel +86 21 2412 1688
infoAPAC@chemelex.com

chemelex
excellence is everything

Raychem Tracer Pyrotenax Nuheat

©2026 Chemelex. All Chemelex marks and logos are owned or licensed by Chemelex Europe GmbH or its affiliates. All other trademarks are the property of their respective owners. Chemelex reserves the right to change specifications without notice.

RAYCHEM-DS-H56428-IceStopRoofGutterDeicing-EN-2606