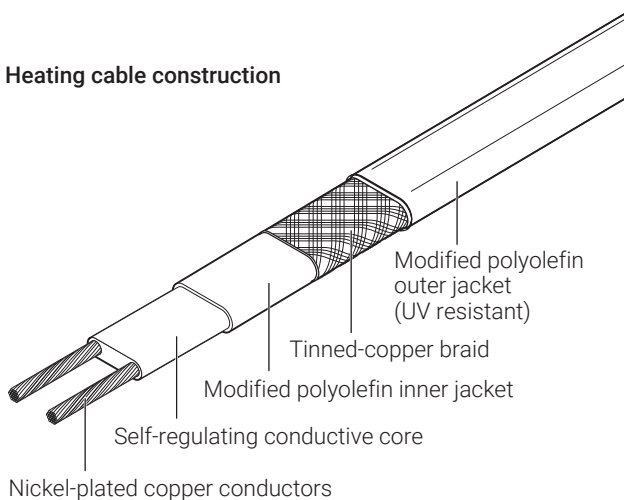


SELF-REGULATING HEATING CABLES FOR PIPE FREEZE PROTECTION, ROOF & GUTTER SNOW MELTING AND DE-ICING

Heating cable construction



PRODUCT DESCRIPTION

nVent RAYCHEM Frostop Black heating cable provide pipe freeze protection as well as roof and gutter snow melting and de-icing for following applications:

- Roofs comprising standard roofing materials, including slate, shingle, tar, wood, metal, and plastic.
- Gutters of standard materials, including metal, plastic, and wood.
- Drainpipes and other regular water or waste water pipes of standard materials, including metal and plastic.

The heating element of a Frostop Black consists of a continuous core conductive polymer extruded between two copper conductors. As current flows through the core, the heating cable regulates its heat output in accordance with ambient conditions. The self-regulating feature eliminates hot spots and results in better temperature control to protect plastic and metal pipes, roof and gutter materials.

ADVANTAGES

Easy-to-install

The Frostop Black heating cable's parallel circuitry allows it to be cut to the exact length. Such characteristics simplify and streamline the design of both pipes freeze protection and roof and gutter snow melting system.

Installation is quick and simple. Features that make the heating system easy to install in new build projects, or as part of ongoing during building renovation.

TECHNICAL DATA

Product description and order reference	nVent RAYCHEM FROSTOP BLACK (PCN 559303-000)
Power Output (nominal)	18 W/m @ 5°C on metal pipe 28 W/m @ 0°C in ice water
Supply Voltage	230 Vac
Max circuit length	80 m
Minimum installation temperature	-18°C
Maximum exposure temperature	65°C cont. power on (85°C intermittent)
Product dimensions	10,5 mm x 5,5 mm
Conductors	1,2 mm ² nickel-plated copper
Braid/Outer Jacket	Tinned-copper braid with modified polyolefin outer jacket
Weight	~130 g/m
Minimum Bending Radius	13 mm
Connection Kits	nVent RAYCHEM heat shrink connection kits must be used CCE-03-CR.

APPROVALS



nVent RAYCHEM Frostop Black heating cables are CE approved and SEMKO Certified, and approved only when used with nVent RAYCHEM connection kits and accessories.

HEATING CIRCUIT LENGTHS

	Voltage	Max. circuit length				
Circuit breaker size		6 A	10 A	13 A	16 A	20 A
FROSTOP BLACK	230 V	30 m	50 m	65 m	80 m	-

Maximum circuit length calculated based on minimum start-up temperature @ 0°C, 230 VAC.

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