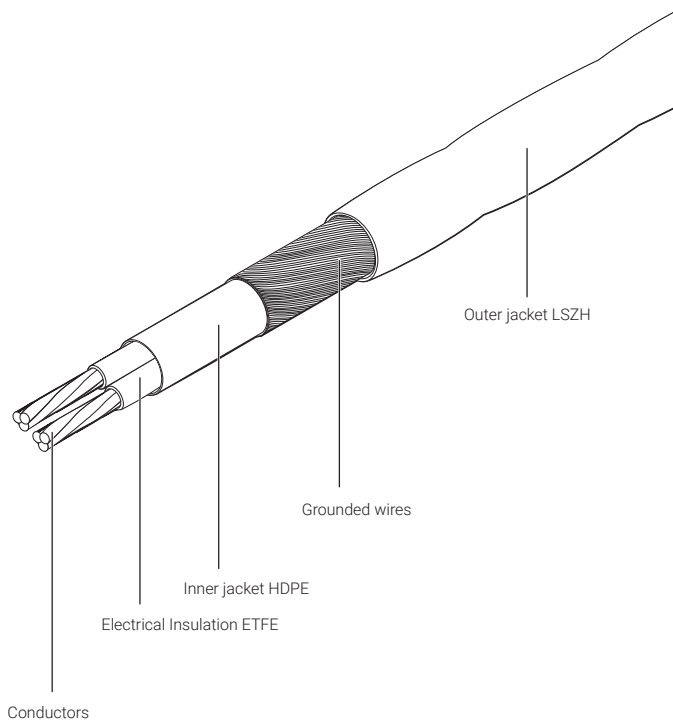


CONSTANT WATTAGE HEATING CABLE FOR SNOW MELTING ON ROOFS AND IN GUTTERS

HEATING CABLE CONSTRUCTION



PRODUCT DESCRIPTION

nVent RAYCHEM GM-2CW and GM-4CW heating cables are roof and gutter snow melting systems which provide solutions for the following applications:

- Roofs made of standard roofing materials including shingle, wood, metal, and plastic.
- Gutters made of standard materials including metal, plastic, and wood.
- Down pipes made of standard materials including metal and plastic.

The heating element of GM-2CW and GM-4CW heating cables consists of 2 conductors with ETFE electrical insulation, an inner jacket extruded with polymer material and a UV resistant LSZH outer jacket.

PRODUCT FEATURES

The heating cable is designed according to IEC EN 62395 and available with a LSZH – polymer outer jacket that provides maximum abrasion, chemical, and mechanical resistance; more economical for less demanding applications.

- Low install cost

The GM-2(4) CW heating cables are available in kits of varying pre-terminated lengths with different ohm resistances. The kits include a cold lead connection and end seal. The heating cable can be ordered in two different voltage ranges, 230 V or 400 V AC.

TECHNICAL SPECIFICATION

Product description and order reference	GM-2CW-XXM; GM-4CW-XXM
Power output (nominal)	30 W/m
Supply voltage	GM-2CW -> 230 VAC +/- 10% GM-4CW -> 400 VAC +/- 10%
Max circuit length	GM-2CW: 16 A -> 100 m GM-4CW: 20 A -> 215 m
Minimum installation temperature	-5°C
Maximum exposure temperature	80°C
Outer diameter	Max. 6.9 mm
Cold lead	length: 5 m; 3x 1.5 mm ² , 3 x 2.5 mm ²
Material	
Inner jacket	HDPE
Braid	Tinned copper wires
Outer jacket	LSZH
Wire insulation	ETFE
Weight	0.046Kg/m -0.071Kg/m
Minimum bending radius	6 x d mm
Deformation strength	1500 N
Connection kits	RAYCHEM junction box JB -16; cold lead and end seal are pre-terminated
Approvals	CE mark, EAC; IEC/EN 62395-1 -2013, Ed2.

AVAILABLE SIZES AND PART NUMBERS

PTM Product description	PTM Part number	Voltage	Power Output	Circuit breaker size
GM-2CW-10m	SZ18300097	230 V	300 W	10 A
GM-2CW-15m	SZ18300098	230 V	450 W	10 A
GM-2CW-20m	SZ18300099	230 V	600 W	10 A
GM-2CW-25m	SZ18300100	230 V	750 W	10 A
GM-2CW-30m	SZ18300101	230 V	900 W	10 A
GM-2CW-35m	SZ18300102	230 V	1050 W	10 A
GM-2CW-40m	SZ18300103	230 V	1200 W	10 A
GM-2CW-45m	SZ18300104	230 V	1350 W	10 A
GM-2CW-50m	SZ18300105	230 V	1500 W	10 A
GM-2CW-60m	SZ18300106	230 V	1800 W	10 A
GM-2CW-70m	SZ18300107	230 V	2100 W	10 A
GM-2CW-80m	SZ18300108	230 V	2400 W	16 A
GM-2CW-90m	SZ18300109	230 V	2700 W	16 A
GM-2CW-100m	SZ18300110	230 V	3000 W	16 A
GM-2CW-125m	SZ18300111	230 V	3750 W	20 A
GM-2CW-150m	SZ18300112	230 V	4500 W	20 A
GM-2CW-180m	SZ18300113	230 V	5400 W	25 A
GM-4CW-20m	SZ18300114	400 V	600 W	10 A
GM-4CW-35m	SZ18300115	400 V	1050 W	10 A
GM-4CW-70m	SZ18300116	400 V	2100 W	10 A
GM-4CW-110m	SZ18300117	400 V	3300 W	10 A
GM-4CW-145m	SZ18300118	400 V	4350 W	16 A
GM-4CW-170m	SZ18300119	400 V	5100 W	16 A
GM-4CW-190m	SZ18300120	400 V	5700 W	16 A
GM-4CW-215M	SZ18300121	400 V	6450 W	20 A

nVent requires the use of a 30mA residual current device (RCD) to provide the maximum safety and protection from fire. All heating circuits have to be protected by a type C circuit breaker.

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