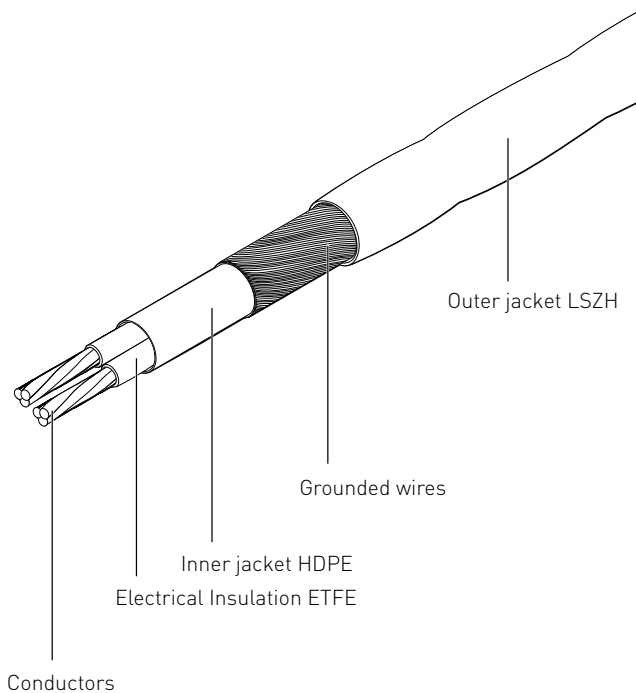# *Raychem* GM-2CW; GM-4CW
CONSTANT WATTAGE HEATING CABLE FOR SNOW MELTING ON ROOFS AND IN GUTTERS

HEATING CABLE CONSTRUCTION

Outer jacket LSZH

Grounded wires

Inner jacket HDPE

Electrical Insulation ETFE

Conductors

PRODUCT DESCRIPTION

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 mm², 3 x 2.5 mm²
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

Pentair Thermal Building Solutions 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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