SM-AD

Single conductor heating cables for roads, ramps, sports fields, etc.

SNOMELT

Armour

Heavy Duty Snow Melting Cables

- *Extra heavy duty armoured cables to withstand high mechanical abuse during installation, or whilst in use.*
- *Operating temperatures to 150°C*
- *Power outputs to 40W/m in concrete*
- *Voltages up to 600V*

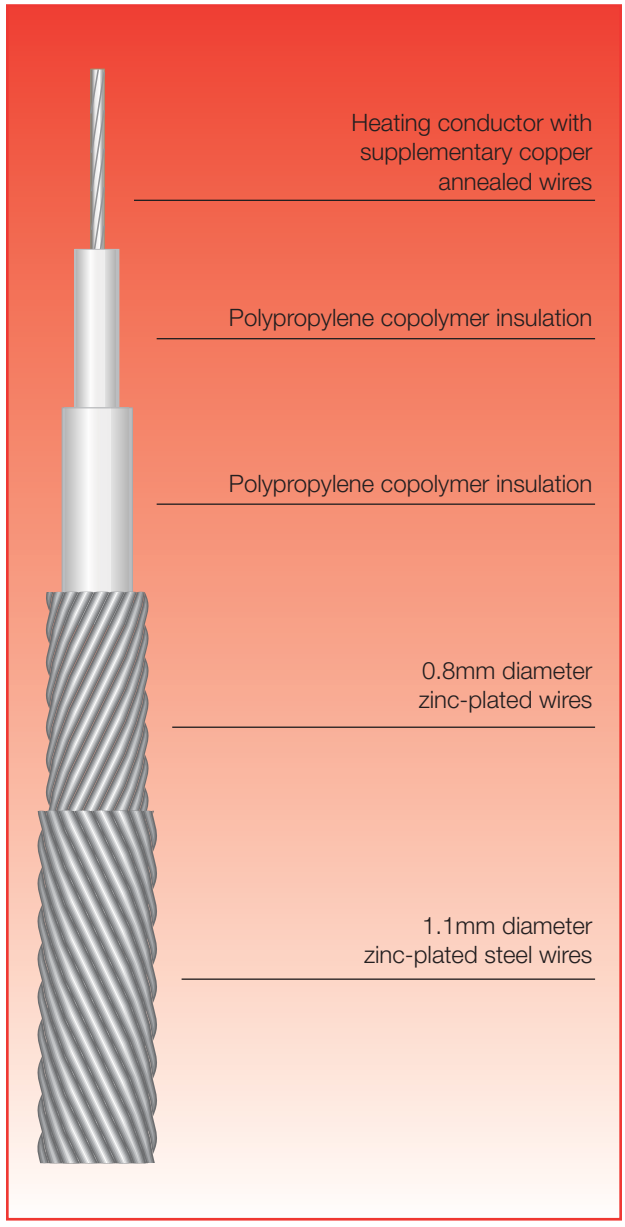
FEATURES

SnoMelt Armour cables are designed for heating surfaces to prevent ice formation or to melt snow falls.

The cables are suitable for use in the most demanding installations, for example, where mechanical abuse is likely during installation. Typical applications are within concrete bridges, ramps and roads.

SnoMelt Armour is also ideal for use in sports fields, the cables being resistant to damage from digging or forking the soil.

Cables are delivered either ready for use - complete with factory fabricated cold leads, or for site termination.



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SPECIFICATION

MAXIMUM PERMISSIBLE de-energised	150°C (302°F)
MINIMUM INSTALLATION TEMPERATURE	–20°C (–4°F)
MAXIMUM VOLTAGE	600V
INSULATION RESISTANCE	1 x 10^5 MOhm x m (not less than)

WEIGHTS AND DIMENSIONS

Type Ref SM-	Heating Conductor Material	Heating Conductor Resistance (Ohms/100m)	Nom. Dims. (mm)	Weight (kg/100m)
AD 3x0.25c	Zinc Plated Steel	145	8.5	24.65
AD 4x0.25c		108	8.5	24.70
AD 7x0.25c		62	8.5	24.80
AD 10x0.25c		43	8.5	24.90
AD 10x0.30c		30	8.5	25.05
AD 7x0.28m	Copper	4.1	8.5	24.75
AD 7x0.37m		2.5	8.5	25.06
AD 7x0.52m		1.4	8.5	25.64
AD 7x0.67m		0.8	8.5	26.40
AD 7x0.85m		0.45	8.5	27.60

CONSTRUCTION

Heating Conductor	Stranded wires, zinc plated steel, or copper*
Insulation	Two-layers of polypropylene copolymer
Armour	Two layers of zinc-plated steel wires

* Cables with copper conductors are used as armoured "cold-ends" as part of the heating sections with zinc-plated steel wire conductors.

ORDERING INFORMATION

Example SM-AD 7 x 0.25 c

- SnoMelt Armour series cable
- 7 wire heating conductor
- 0.25mm diameter heating wire
- Zinc plated steel heating conductor

MINIMUM BENDING RADIUS	400mm
MINIMUM BENDING RADIUS DURING INSTALLATION	80mm

TYPICAL POWER OUTPUTS

Nominal output: 35W/m at 220V

Type Ref	Section Length (m)	Heated Section Output (W/m)	Start Output at 5°C (W)
SM-AD 3x0.25c	28	975	1280
SM-AD 4x0.25c	33	1108	1450
SM-AD 7x0.25c	43	1500	1945
SM-AD 10x0.25c	52	1790	2300
SM-AD 10x0.30c	63	2145	2730
SM-AD 7x0.28m	160	5540	7900
SM-AD 7x0.37m	215	7470	10270
SM-AD 7x0.52m	304	10618	14345
SM-AD 7x0.67m	395	13760	18328
SM-AD 7x0.85m	500	17600	23300

Nominal output: 30W/m at 220V

Type Ref	Section Length (m)	Heated Section Output (W/m)	Start Output at 5°C (W)
SM-AD 3x0.25c	30	898	1195
SM-AD 4x0.25c	35	1030	1365
SM-AD 7x0.25c	47	1355	1780
SM-AD 10x0.25c	56	1635	2135
SM-AD 10x0.30c	67	1980	2570
SM-AD 7x0.28m	178	5300	6670
SM-AD 7x0.37m	230	6825	9600
SM-AD 7x0.52m	325	9670	13415
SM-AD 7x0.67m	420	12540	17195
SM-AD 7x0.85m	550	16600	21200

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